

Университет ИТМО
Мегафакультет компьютерных технологий и управления
Факультет программной инженерии и компьютерной техники

Лабораторная работа 1 по Операционным системам

Группа:Р33211

Выполнили:

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Санкт-Петербург

2020 год

Вариант

A=223;B=0xDD6A8120;C=mmap;D=20;E=84;F=block;G=106;H=seq;I=88;J=sum;K=cv

Разработать программу на языке C, которая осуществляет следующие действия

- Создает область памяти размером A мегабайт, начинающихся с адреса B (если возможно) при помощи C=(malloc, mmap) заполненную случайными числами /dev/urandom в D потоков. Используя системные средства мониторинга определите адрес начала в адресном пространстве процесса и характеристики выделенных участков памяти. Замеры виртуальной/физической памяти необходимо снять:
 1. До аллокации
 2. После аллокации
 3. После заполнения участка данными
 4. После деаллокации
- Записывает область памяти в файлы одинакового размера E мегабайт с использованием F=(блочного, некешируемого) обращения к диску. Размер блока ввода-вывода G байт. Преподаватель выдает в качестве задания последовательность записи/чтения блоков H=(последовательный, заданный или случайный)
- Генерацию данных и запись осуществлять в бесконечном цикле.
- В отдельных I потоках осуществлять чтение данных из файлов и подсчитывать агрегированные характеристики данных - J=(сумму, среднее значение, максимальное, минимальное значение).
- Чтение и запись данных в/из файла должна быть защищена примитивами синхронизации K=(futex, cv, sem, flock).
- По заданию преподавателя изменить приоритеты потоков и описать изменения в характеристиках программы.

Для запуска программы возможно использовать операционную систему Windows 10 или Debian/Ubuntu в виртуальном окружении.

Измерить значения затраченного процессорного времени на выполнение программы и на операции ввода-вывода используя системные утилиты.

Отследить трассу системных вызовов.

Используя star построить графики системных характеристик.

Операционная система: **WSL Ubuntu 20**

Замеры:

```
### Before allocation ###

free -h

total      used      free      shared  buff/cache  available
Mem:       9.2Gi      66Mi      9.1Gi      0.0Ki       82Mi       9.0Gi
Swap:      3.0Gi       0B       3.0Gi

maps:
55e6a9503000-55e6a9504000 r--p 00000000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9504000-55e6a9506000 r-xp 00001000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9506000-55e6a9507000 r--p 00003000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9507000-55e6a9508000 r--p 00003000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9508000-55e6a9509000 rw-p 00004000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9aaf000-55e6a9ad0000 rw-p 00000000 00:00 0 [heap]
7ff7845fb000-7ff7845fe000 rw-p 00000000 00:00 0
7ff7845fe000-7ff784623000 r--p 00000000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff784623000-7ff78479b000 r-xp 00025000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff78479b000-7ff7847e5000 r--p 0019d000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff7847e5000-7ff7847e6000 ---p 001e7000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff7847e6000-7ff7847e9000 r--p 001e7000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff7847e9000-7ff7847ec000 rw-p 001ea000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff7847ec000-7ff7847f0000 rw-p 00000000 00:00 0
7ff7847f0000-7ff7847f7000 r--p 00000000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff7847f7000-7ff784808000 r-xp 00007000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff784808000-7ff78480d000 r--p 00018000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff78480d000-7ff78480e000 r--p 0001c000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff78480e000-7ff78480f000 rw-p 0001d000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff78480f000-7ff784815000 rw-p 00000000 00:00 0
7ff78481e000-7ff78481f000 r--p 00000000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78481f000-7ff784842000 r-xp 00001000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff784842000-7ff78484a000 r--p 00024000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78484b000-7ff78484c000 r--p 0002c000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78484c000-7ff78484d000 rw-p 0002d000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78484d000-7ff78484e000 rw-p 00000000 00:00 0
7ffe3a431000-7ffe3a452000 rw-p 00000000 00:00 0 [stack]
7ffe3a49c000-7ffe3a49f000 r--p 00000000 00:00 0 [vvar]
7ffe3a49f000-7ffe3a4a1000 r-xp 00000000 00:00 0 [vdso]

### After allocation ###

free -h

total      used      free      shared  buff/cache  available
Mem:       9.2Gi      65Mi      9.1Gi      0.0Ki       82Mi       9.0Gi
Swap:      3.0Gi       0B       3.0Gi
```

```

maps:
dd6a8000-eb5a8000 rw-p 00000000 00:00 0
55e6a9503000-55e6a9504000 r--p 00000000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9504000-55e6a9506000 r-xp 00001000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9506000-55e6a9507000 r--p 00003000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9507000-55e6a9508000 r--p 00003000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9508000-55e6a9509000 rw-p 00004000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9aaf000-55e6a9ad0000 rw-p 00000000 00:00 0 [heap]
7ff7845fb000-7ff7845fe000 rw-p 00000000 00:00 0
7ff7845fe000-7ff784623000 r--p 00000000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff784623000-7ff78479b000 r-xp 00025000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff78479b000-7ff7847e5000 r--p 0019d000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff7847e5000-7ff7847e6000 ---p 001e7000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff7847e6000-7ff7847e9000 r--p 001e7000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff7847e9000-7ff7847ec000 rw-p 001ea000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff7847ec000-7ff7847f0000 rw-p 00000000 00:00 0
7ff7847f0000-7ff7847f7000 r--p 00000000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff7847f7000-7ff784808000 r-xp 00007000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff784808000-7ff78480d000 r--p 00018000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff78480d000-7ff78480e000 r--p 0001c000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff78480e000-7ff78480f000 rw-p 0001d000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff78480f000-7ff784815000 rw-p 00000000 00:00 0
7ff78481e000-7ff78481f000 r--p 00000000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78481f000-7ff784842000 r-xp 00001000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff784842000-7ff78484a000 r--p 00024000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78484b000-7ff78484c000 r--p 0002c000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78484c000-7ff78484d000 rw-p 0002d000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78484d000-7ff78484e000 rw-p 00000000 00:00 0
7ffe3a431000-7ffe3a452000 rw-p 00000000 00:00 0 [stack]
7ffe3a49c000-7ffe3a49f000 r--p 00000000 00:00 0 [vvar]
7ffe3a49f000-7ffe3a4a1000 r-xp 00000000 00:00 0 [vdso]

```

After filling area

```

free -h

```

	total	used	free	shared	buff/cache	available
Mem:	9.2Gi	288Mi	8.9Gi	0.0Ki	82Mi	8.8Gi
Swap:	3.0Gi	0B	3.0Gi			

```

maps:
dd6a8000-eb5a8000 rw-p 00000000 00:00 0
55e6a9503000-55e6a9504000 r--p 00000000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9504000-55e6a9506000 r-xp 00001000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9506000-55e6a9507000 r--p 00003000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9507000-55e6a9508000 r--p 00003000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main

```

55e6a9508000-55e6a9509000	rw-p	00004000	00:2d	40532396646368482	/mnt/c/Users/Admin/os-laba/main
55e6a9aaf000-55e6a9ad0000	rw-p	00000000	00:00	0	[heap]
7ff77a5e7000-7ff77a5e8000	---p	00000000	00:00	0	
7ff77a5e8000-7ff77ade8000	rw-p	00000000	00:00	0	
7ff77ade8000-7ff77ade9000	---p	00000000	00:00	0	
7ff77ade9000-7ff77b5e9000	rw-p	00000000	00:00	0	
7ff77b5e9000-7ff77b5ea000	---p	00000000	00:00	0	
7ff77b5ea000-7ff77bdea000	rw-p	00000000	00:00	0	
7ff77bdea000-7ff77bdeb000	---p	00000000	00:00	0	
7ff77bdeb000-7ff77c5eb000	rw-p	00000000	00:00	0	
7ff77c5eb000-7ff77c5ec000	---p	00000000	00:00	0	
7ff77c5ec000-7ff77cdec000	rw-p	00000000	00:00	0	
7ff77cdec000-7ff77cded000	---p	00000000	00:00	0	
7ff77cded000-7ff77d5ed000	rw-p	00000000	00:00	0	
7ff77d5ed000-7ff77d5ee000	---p	00000000	00:00	0	
7ff77d5ee000-7ff77ddee000	rw-p	00000000	00:00	0	
7ff77ddee000-7ff77ddef000	---p	00000000	00:00	0	
7ff77ddef000-7ff77e5ef000	rw-p	00000000	00:00	0	
7ff77e5ef000-7ff77e5f0000	---p	00000000	00:00	0	
7ff77e5f0000-7ff77edf0000	rw-p	00000000	00:00	0	
7ff77edf0000-7ff77edf1000	---p	00000000	00:00	0	
7ff77edf1000-7ff77f5f1000	rw-p	00000000	00:00	0	
7ff77f5f1000-7ff77f5f2000	---p	00000000	00:00	0	
7ff77f5f2000-7ff77fdf2000	rw-p	00000000	00:00	0	
7ff77fdf2000-7ff77fdf3000	---p	00000000	00:00	0	
7ff77fdf3000-7ff7805f3000	rw-p	00000000	00:00	0	
7ff7805f3000-7ff7805f4000	---p	00000000	00:00	0	
7ff7805f4000-7ff780df4000	rw-p	00000000	00:00	0	
7ff780df4000-7ff780df5000	---p	00000000	00:00	0	
7ff780df5000-7ff7815f5000	rw-p	00000000	00:00	0	
7ff7815f5000-7ff7815f6000	---p	00000000	00:00	0	
7ff7815f6000-7ff781df6000	rw-p	00000000	00:00	0	
7ff781df6000-7ff781df7000	---p	00000000	00:00	0	
7ff781df7000-7ff7825f7000	rw-p	00000000	00:00	0	
7ff7825f7000-7ff7825f8000	---p	00000000	00:00	0	
7ff7825f8000-7ff782df8000	rw-p	00000000	00:00	0	
7ff782df8000-7ff782df9000	---p	00000000	00:00	0	
7ff782df9000-7ff7835f9000	rw-p	00000000	00:00	0	
7ff7835f9000-7ff7835fa000	---p	00000000	00:00	0	
7ff7835fa000-7ff783dfa000	rw-p	00000000	00:00	0	
7ff783dfa000-7ff783dfb000	---p	00000000	00:00	0	
7ff783dfb000-7ff7845fe000	rw-p	00000000	00:00	0	
7ff7845fe000-7ff784623000	r--p	00000000	08:10	40242	/usr/lib/x86_64-linux-gnu/libc-2.31.so
7ff784623000-7ff78479b000	r-xp	00025000	08:10	40242	/usr/lib/x86_64-linux-gnu/libc-2.31.so
7ff78479b000-7ff7847e5000	r--p	0019d000	08:10	40242	/usr/lib/x86_64-linux-gnu/libc-2.31.so
7ff7847e5000-7ff7847e6000	---p	001e7000	08:10	40242	/usr/lib/x86_64-linux-gnu/libc-2.31.so
7ff7847e6000-7ff7847e9000	r--p	001e7000	08:10	40242	/usr/lib/x86_64-linux-gnu/libc-2.31.so
7ff7847e9000-7ff7847ec000	rw-p	001ea000	08:10	40242	/usr/lib/x86_64-linux-gnu/libc-2.31.so
7ff7847ec000-7ff7847f0000	rw-p	00000000	00:00	0	
7ff7847f0000-7ff7847f7000	r--p	00000000	08:10	40255	/usr/lib/x86_64-linux-gnu/libpthread-2.31.so
7ff7847f7000-7ff784808000	r-xp	00007000	08:10	40255	/usr/lib/x86_64-linux-gnu/libpthread-2.31.so
7ff784808000-7ff78480d000	r--p	00018000	08:10	40255	/usr/lib/x86_64-linux-gnu/libpthread-2.31.so
7ff78480d000-7ff78480e000	r--p	0001c000	08:10	40255	/usr/lib/x86_64-linux-gnu/libpthread-2.31.so
7ff78480e000-7ff78480f000	rw-p	0001d000	08:10	40255	/usr/lib/x86_64-linux-gnu/libpthread-2.31.so
7ff78480f000-7ff784815000	rw-p	00000000	00:00	0	

```

7ff78481e000-7ff78481f000 r--p 00000000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78481f000-7ff784842000 r-xp 00001000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff784842000-7ff78484a000 r--p 00024000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78484b000-7ff78484c000 r--p 0002c000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78484c000-7ff78484d000 rw-p 0002d000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78484d000-7ff78484e000 rw-p 00000000 00:00 0
7ffe3a431000-7ffe3a452000 rw-p 00000000 00:00 0 [stack]
7ffe3a49c000-7ffe3a49f000 r--p 00000000 00:00 0 [vvar]
7ffe3a49f000-7ffe3a4a1000 r-xp 00000000 00:00 0 [vdso]

```

After deallocation

free -h

	total	used	free	shared	buff/cache	available
Mem:	9.2Gi	66Mi	9.1Gi	0.0Ki	82Mi	9.0Gi
Swap:	3.0Gi	0B	3.0Gi			

maps:

```

55e6a9503000-55e6a9504000 r--p 00000000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9504000-55e6a9506000 r-xp 00001000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9506000-55e6a9507000 r--p 00003000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9507000-55e6a9508000 r--p 00003000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9508000-55e6a9509000 rw-p 00004000 00:2d 40532396646368482 /mnt/c/Users/Admin/os-
laba/main
55e6a9aaf000-55e6a9ad0000 rw-p 00000000 00:00 0 [heap]
7ff74e58f000-7ff74e590000 ---p 00000000 00:00 0
7ff74e590000-7ff74ed90000 rw-p 00000000 00:00 0
7ff74ed90000-7ff74ed91000 ---p 00000000 00:00 0
7ff74ed91000-7ff74f591000 rw-p 00000000 00:00 0
7ff74f591000-7ff74f592000 ---p 00000000 00:00 0
7ff74f592000-7ff74fd92000 rw-p 00000000 00:00 0
7ff74fd92000-7ff74fd93000 ---p 00000000 00:00 0
7ff74fd93000-7ff750593000 rw-p 00000000 00:00 0
7ff7845fb000-7ff7845fe000 rw-p 00000000 00:00 0
7ff7845fe000-7ff784623000 r--p 00000000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff784623000-7ff78479b000 r-xp 00025000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff78479b000-7ff7847e5000 r--p 0019d000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff7847e5000-7ff7847e6000 ---p 001e7000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff7847e6000-7ff7847e9000 r--p 001e7000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff7847e9000-7ff7847ec000 rw-p 001ea000 08:10 40242 /usr/lib/x86_64-linux-
gnu/libc-2.31.so
7ff7847ec000-7ff7847f0000 rw-p 00000000 00:00 0
7ff7847f0000-7ff7847f7000 r--p 00000000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff7847f7000-7ff784808000 r-xp 00007000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff784808000-7ff78480d000 r--p 00018000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff78480d000-7ff78480e000 r--p 0001c000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff78480e000-7ff78480f000 rw-p 0001d000 08:10 40255 /usr/lib/x86_64-linux-
gnu/libpthread-2.31.so
7ff78480f000-7ff784815000 rw-p 00000000 00:00 0
7ff78481e000-7ff78481f000 r--p 00000000 08:10 40229 /usr/lib/x86_64-linux-
gnu/ld-2.31.so

```

```

7ff78481f000-7ff784842000 r-xp 00001000 08:10 40229      /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff784842000-7ff78484a000 r--p 00024000 08:10 40229      /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78484b000-7ff78484c000 r--p 0002c000 08:10 40229      /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78484c000-7ff78484d000 rw-p 0002d000 08:10 40229      /usr/lib/x86_64-linux-
gnu/ld-2.31.so
7ff78484d000-7ff78484e000 rw-p 00000000 00:00 0
7ffe3a431000-7ffe3a452000 rw-p 00000000 00:00 0      [stack]
7ffe3a49c000-7ffe3a49f000 r--p 00000000 00:00 0      [vvar]
7ffe3a49f000-7ffe3a4a1000 r-xp 00000000 00:00 0      [vdso]

```

Замеры процессорного времени:

procs		-----memory-----				---swap--		-----io----		-system--		-----cpu-----					
r	b	swpd	free	buff	cache	si	so	bi	bo	in	cs	us	sy	id	wa	st	
1	0	0	1204368	790248	4364792	0	0	0	24	1138	1720	5	3	92	1	0	
74	0	0	1191204	790268	4360176	0	0	0	52	1712	2754	5	57	37	1	0	
74	0	0	1160264	790276	4360744	0	0	0	16	1692	2071	2	98	0	0	0	
8	0	0	910784	790336	4363076	0	0	0	520	4371	13327	23	77	0	0	0	
9	0	0	911404	790340	4362880	0	0	0	36	3328	5554	35	65	0	0	0	
10	0	0	911984	790348	4361024	0	0	0	148	2008	4309	36	64	0	0	0	
17	0	0	912420	790352	4361028	0	0	0	32	2314	5349	27	73	0	0	0	
8	3	0	912244	790352	4361032	0	0	0	40980	2032	4359	29	70	0	0	0	
3	10	0	914304	790368	4361144	0	0	0	43640	5930	12037	26	52	1	22	0	
9	3	0	930740	790372	4361224	0	0	0	63088	8842	31278	41	55	0	3	0	
11	2	0	936500	790396	4361020	0	0	0	71108	2440	10108	31	67	0	2	0	
11	1	0	935076	790476	4361364	0	0	0	51364	10121	34832	34	65	0	1	0	
9	0	0	935432	790508	4361744	0	0	0	28	12201	41229	30	70	0	0	0	
8	0	0	935432	790516	4361232	0	0	0	28	7307	17219	35	65	0	0	0	
9	0	0	935012	790524	4361332	0	0	0	344	7414	20200	36	64	1	0	0	
9	0	0	934592	790532	4361368	0	0	0	72	18924	44900	30	70	0	0	0	
8	2	0	934816	790540	4361244	0	0	0	57440	20308	50508	36	63	0	0	0	
9	1	0	935208	790560	4361376	0	0	0	60084	15915	56528	34	65	0	1	0	
7	2	0	939180	790624	4361276	0	0	0	49808	1976	3231	43	57	0	0	0	
7	1	0	939180	790656	4361276	0	0	0	27748	3401	4309	41	58	0	0	0	
7	0	0	939180	790664	4361272	0	0	0	64	1921	3483	45	55	0	0	0	
1	0	0	942088	790788	4361296	0	0	0	84	1691	2152	13	16	67	4	0	
0	0	0	1236544	790796	4363192	0	0	0	16	1426	2090	6	7	87	1	0	

Трасса системных вызовов

```

execve("./main", ["/.main"], 0x7ffdcdb757d0 /* 21 vars */) = 0
brk(NULL) = 0x55a266be4000
arch_prctl(0x3001 /* ARCH_??? */, 0x7ffff7b5b890) = -1 EINVAL (Invalid argument)
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
fstat(3, {st_mode=S_IFREG|0644, st_size=33622, ...}) = 0
mmap(NULL, 33622, PROT_READ, MAP_PRIVATE, 3, 0) = 0x7f0724d9d000
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\3\0>\0\1\0\0\0\220\201\0\0\0\0\0"... , 832) = 832
pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\00\305\3743\364B\2216\244\224\306@\261\23\327o"... , 68, 824) = 68
fstat(3, {st_mode=S_IFREG|0755, st_size=157224, ...}) = 0
mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0x7f0724d9b000
pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\00\305\3743\364B\2216\244\224\306@\261\23\327o"... , 68, 824) = 68
mmap(NULL, 140408, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f0724d78000
mmap(0x7f0724d7f000, 69632, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x7000) = 0x7f0724d7f000
mmap(0x7f0724d90000, 20480, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x18000) = 0x7f0724d90000
mmap(0x7f0724d95000, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x1c000) = 0x7f0724d95000
mmap(0x7f0724d97000, 13432, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x7f0724d97000
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\3\0>\0\1\0\0\0\360q\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\20\0\0\0\5\0\0\0GNU\0\2\0\0\300\4\0\0\0\3\0\0\0\0\0\0\0"... , 32, 848) = 32
pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\0\363\377?\332\200\270\27\304d\245n\355Y\377\t\334"... , 68, 880) = 68
fstat(3, {st_mode=S_IFREG|0755, st_size=2029224, ...}) = 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
pread64(3, "\4\0\0\0\20\0\0\0\5\0\0\0GNU\0\2\0\0\300\4\0\0\0\3\0\0\0\0\0\0\0"... , 32, 848) = 32
pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\0\363\377?\332\200\270\27\304d\245n\355Y\377\t\334"... , 68, 880) = 68
mmap(NULL, 2036952, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x7f0724b86000
mprotect(0x7f0724bab000, 1847296, PROT_NONE) = 0
mmap(0x7f0724bab000, 1540096, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x25000) = 0x7f0724bab000
mmap(0x7f0724d23000, 303104, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x19d000) = 0x7f0724d23000
mmap(0x7f0724d6e000, 24576, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x1e7000) = 0x7f0724d6e000
mmap(0x7f0724d74000, 13528, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x7f0724d74000
close(3) = 0
mmap(NULL, 12288, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0x7f0724b83000
arch_prctl(ARCH_SET_FS, 0x7f0724b83740) = 0
mprotect(0x7f0724d6e000, 12288, PROT_READ) = 0
mprotect(0x7f0724d95000, 4096, PROT_READ) = 0
mprotect(0x55a265661000, 4096, PROT_READ) = 0
mprotect(0x7f0724dd3000, 4096, PROT_READ) = 0
munmap(0x7f0724d9d000, 33622) = 0
set_tid_address(0x7f0724b83a10) = 411
set_robust_list(0x7f0724b83a20, 24) = 0
rt_sigaction(SIGRTMIN, {sa_handler=0x7f0724d7fbf0, sa_mask=[], sa_flags=SA_RESTORER|SA_SIGINFO, sa_restorer=0x7f0724d8d3c0}, NULL, 8) = 0
rt_sigaction(SIGRT_1, {sa_handler=0x7f0724d7fc90, sa_mask=[], sa_flags=SA_RESTORER|SA_RESTART|SA_SIGINFO, sa_restorer=0x7f0724d8d3c0}, NULL, 8) = 0
rt_sigprocmask(SIG_UNBLOCK, [RTMIN RT_1], NULL, 8) = 0
prlimit64(0, RLIMIT_STACK, NULL, {rlim_cur=8192*1024, rlim_max=RLIM64_INFINITY}) = 0
unlink("/mnt/c/Users/Admin/os-laba/log_memory.txt") = 0
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/os-1", O_RDWR|O_CREAT, 0700) = 3

```



```

ftruncate(3, 88080384) = 0
fstat(1, {st_mode=S_IFCHR|0620, st_rdev=makedev(0x88, 0), ...}) = 0
brk(NULL) = 0x55a266be4000
brk(0x55a266c05000) = 0x55a266c05000
write(1, "Create file /mnt/c/Users/Admin/o"... , 44Create file /mnt/c/Users/Admin/os-laba/os-1
) = 44
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/os-2", O_RDWR|O_CREAT, 0700) = 4
ftruncate(4, 88080384) = 0
write(1, "Create file /mnt/c/Users/Admin/o"... , 44Create file /mnt/c/Users/Admin/os-laba/os-2
) = 44
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/os-3", O_RDWR|O_CREAT, 0700) = 5
ftruncate(5, 88080384) = 0
write(1, "Create file /mnt/c/Users/Admin/o"... , 44Create file /mnt/c/Users/Admin/os-laba/os-3
) = 44
getpid() = 411
write(1, "Hi, PID: 411\nEnter anything to a"... , 47Hi, PID: 411
Enter anything to allocate memory
) = 47
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 0
fstat(6, {st_mode=S_IFREG|0777, st_size=0, ...}) = 0
write(6, " ### Before allocation ###", 26) = 26
close(6) = 0
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 26
fstat(6, {st_mode=S_IFREG|0777, st_size=26, ...}) = 0
write(6, "\n\nfree -h\n", 10) = 10
close(6) = 0
rt_sigaction(SIGINT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f0724bcc210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=0}, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f0724bcc210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=0}, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0
mmap(NULL, 36864, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f0724d9d000
rt_sigprocmask(SIG_BLOCK, ~[], [CHLD], 8) = 0
clone(child_stack=0x7f0724da5ff0, flags=CLONE_VM|CLONE_VFORK|SIGCHLD) = 412
munmap(0x7f0724d9d000, 36864) = 0
rt_sigprocmask(SIG_SETMASK, [CHLD], NULL, 8) = 0
wait4(412, [{WIFEXITED(s) && WEXITSTATUS(s) == 0}], 0, NULL) = 412
rt_sigaction(SIGINT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f0724bcc210}, NULL, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f0724bcc210}, NULL, 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
--- SIGCHLD {si_signo=SIGCHLD, si_code=CLD_EXITED, si_pid=412, si_uid=1000, si_status=0,
si_utime=0, si_stime=0} ---
getpid() = 411
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 240
fstat(6, {st_mode=S_IFREG|0777, st_size=240, ...}) = 0
write(6, "\nmaps:\n", 7) = 7
close(6) = 0
rt_sigaction(SIGINT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f0724bcc210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f0724bcc210}, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f0724bcc210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f0724bcc210}, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0
mmap(NULL, 36864, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f0724d9d000
rt_sigprocmask(SIG_BLOCK, ~[], [CHLD], 8) = 0
clone(child_stack=0x7f0724da5ff0, flags=CLONE_VM|CLONE_VFORK|SIGCHLD) = 414
munmap(0x7f0724d9d000, 36864) = 0

```

```
rt_sigprocmask(SIG_SETMASK, [CHLD], NULL, 8) = 0
wait4(414, [{WIFEXITED(s) && WEXITSTATUS(s) == 0}], 0, NULL) = 414
rt_sigaction(SIGINT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f0724bcc210}, NULL, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f0724bcc210}, NULL, 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
--- SIGCHLD {si_signo=SIGCHLD, si_code=CLD_EXITED, si_pid=414, si_uid=1000, si_status=0,
si_ftime=0, si_stime=0} ---
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 3101
fstat(6, {st_mode=S_IFREG|0777, st_size=3101, ...}) = 0
write(6, "\n", 1) = 1
close(6) = 0
fstat(0, {st_mode=S_IFCHR|0620, st_rdev=makedev(0x88, 0), ...}) = 0
read(0, ^Cstrace: Process 411 detached
<detached ...>
```

```

mmap(NULL, 12288, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0x7f5ba52a8000
arch_prctl(ARCH_SET_FS, 0x7f5ba52a8740) = 0
mprotect(0x7f5ba5493000, 12288, PROT_READ) = 0
mprotect(0x7f5ba54ba000, 4096, PROT_READ) = 0
mprotect(0x56244b6ff000, 4096, PROT_READ) = 0
mprotect(0x7f5ba54f8000, 4096, PROT_READ) = 0
munmap(0x7f5ba54c2000, 33622) = 0
set_tid_address(0x7f5ba52a8a10) = 419
set_robust_list(0x7f5ba52a8a20, 24) = 0
rt_sigaction(SIGRTMIN, {sa_handler=0x7f5ba54a4bf0, sa_mask=[], sa_flags=SA_RESTORER|SA_SIGINFO,
sa_restorer=0x7f5ba54b23c0}, NULL, 8) = 0
rt_sigaction(SIGRT_1, {sa_handler=0x7f5ba54a4c90, sa_mask=[],
sa_flags=SA_RESTORER|SA_RESTART|SA_SIGINFO, sa_restorer=0x7f5ba54b23c0}, NULL, 8) = 0
rt_sigprocmask(SIG_UNBLOCK, [RTMIN RT_1], NULL, 8) = 0
prlimit64(0, RLIMIT_STACK, NULL, {rlim_cur=8192*1024, rlim_max=RLIM64_INFINITY}) = 0
unlink("/mnt/c/Users/Admin/os-laba/log_memory.txt") = 0
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/os-1", O_RDWR|O_CREAT, 0700) = 3
ftruncate(3, 88080384) = 0
fstat(1, {st_mode=S_IFCHR|0620, st_rdev=makedev(0x88, 0), ...}) = 0
brk(NULL) = 0x56244ba3e000
brk(0x56244ba5f000) = 0x56244ba5f000
write(1, "Create file /mnt/c/Users/Admin/o"... , 44Create file /mnt/c/Users/Admin/os-laba/os-1
) = 44
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/os-2", O_RDWR|O_CREAT, 0700) = 4
ftruncate(4, 88080384) = 0
write(1, "Create file /mnt/c/Users/Admin/o"... , 44Create file /mnt/c/Users/Admin/os-laba/os-2
) = 44
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/os-3", O_RDWR|O_CREAT, 0700) = 5
ftruncate(5, 88080384) = 0
write(1, "Create file /mnt/c/Users/Admin/o"... , 44Create file /mnt/c/Users/Admin/os-laba/os-3
) = 44
getpid() = 419
write(1, "Hi, PID: 419\nEnter anything to a"... , 47Hi, PID: 419
Enter anything to allocate memory
) = 47
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 0
fstat(6, {st_mode=S_IFREG|0777, st_size=0, ...}) = 0
write(6, " ### Before allocation ###", 26) = 26
close(6) = 0
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 26
fstat(6, {st_mode=S_IFREG|0777, st_size=26, ...}) = 0
write(6, "\n\nfree -h\n", 10) = 10
close(6) = 0
rt_sigaction(SIGINT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=0}, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=0}, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0
mmap(NULL, 36864, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f5ba54c2000
rt_sigprocmask(SIG_BLOCK, ~[], [CHLD], 8) = 0
clone(child_stack=0x7f5ba54caff0, flags=CLONE_VM|CLONE_VFORK|SIGCHLD) = 420
munmap(0x7f5ba54c2000, 36864) = 0
rt_sigprocmask(SIG_SETMASK, [CHLD], NULL, 8) = 0
wait4(420, [{WIFEXITED(s) && WEXITSTATUS(s) == 0}], 0, NULL) = 420
rt_sigaction(SIGINT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
--- SIGCHLD {si_signo=SIGCHLD, si_code=CLD_EXITED, si_pid=420, si_uid=1000, si_status=0,
si_utime=0, si_stime=1} ---
getpid() = 419

```

```

openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 240
fstat(6, {st_mode=S_IFREG|0777, st_size=240, ...}) = 0
write(6, "\nmaps:\n", 7) = 7
close(6) = 0
rt_sigaction(SIGINT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0
mmap(NULL, 36864, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f5ba54c2000
rt_sigprocmask(SIG_BLOCK, ~[], [CHLD], 8) = 0
clone(child_stack=0x7f5ba54caff0, flags=CLONE_VM|CLONE_VFORK|SIGCHLD) = 422
munmap(0x7f5ba54c2000, 36864) = 0
rt_sigprocmask(SIG_SETMASK, [CHLD], NULL, 8) = 0
wait4(422, [{WIFEXITED(s) && WEXITSTATUS(s) == 0}], 0, NULL) = 422
rt_sigaction(SIGINT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
--- SIGCHLD {si_signo=SIGCHLD, si_code=CLD_EXITED, si_pid=422, si_uid=1000, si_status=0,
si_utime=0, si_stime=0} ---
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 3101
fstat(6, {st_mode=S_IFREG|0777, st_size=3101, ...}) = 0
write(6, "\n", 1) = 1
close(6) = 0
fstat(0, {st_mode=S_IFCHR|0620, st_rdev=makedev(0x88, 0), ...}) = 0
read(0,
"\n", 1024) = 1
mmap(0xdd6a8120, 233832448, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xdd6a8000
write(1, "Memory successfully allocated\n", 30Memory successfully allocated
) = 30
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 3102
fstat(6, {st_mode=S_IFREG|0777, st_size=3102, ...}) = 0
write(6, " ### After allocation ###", 25) = 25
close(6) = 0
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 3127
fstat(6, {st_mode=S_IFREG|0777, st_size=3127, ...}) = 0
write(6, "\n\nfree -h\n", 10) = 10
close(6) = 0
rt_sigaction(SIGINT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0
mmap(NULL, 36864, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f5ba54c2000
rt_sigprocmask(SIG_BLOCK, ~[], [CHLD], 8) = 0
clone(child_stack=0x7f5ba54caff0, flags=CLONE_VM|CLONE_VFORK|SIGCHLD) = 424
munmap(0x7f5ba54c2000, 36864) = 0
rt_sigprocmask(SIG_SETMASK, [CHLD], NULL, 8) = 0
wait4(424, [{WIFEXITED(s) && WEXITSTATUS(s) == 0}], 0, NULL) = 424
rt_sigaction(SIGINT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0

```

```

rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
--- SIGCHLD {si_signo=SIGCHLD, si_code=CLD_EXITED, si_pid=424, si_uid=1000, si_status=0,
si_etime=0, si_stime=0} ---
getpid() = 419
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 3341
fstat(6, {st_mode=S_IFREG|0777, st_size=3341, ...}) = 0
write(6, "\nmaps:\n", 7) = 7
close(6) = 0
rt_sigaction(SIGINT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0
mmap(NULL, 36864, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f5ba54c2000
rt_sigprocmask(SIG_BLOCK, ~[], [CHLD], 8) = 0
clone(child_stack=0x7f5ba54caff0, flags=CLONE_VM|CLONE_VFORK|SIGCHLD) = 426
munmap(0x7f5ba54c2000, 36864) = 0
rt_sigprocmask(SIG_SETMASK, [CHLD], NULL, 8) = 0
wait4(426, [{WIFEXITED(s) && WEXITSTATUS(s) == 0}], 0, NULL) = 426
rt_sigaction(SIGINT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
--- SIGCHLD {si_signo=SIGCHLD, si_code=CLD_EXITED, si_pid=426, si_uid=1000, si_status=0,
si_etime=0, si_stime=0} ---
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 6243
fstat(6, {st_mode=S_IFREG|0777, st_size=6243, ...}) = 0
write(6, "\n", 1) = 1
close(6) = 0
read(0,
"\n", 1024) = 1
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5ba4aa7000
mprotect(0x7f5ba4aa8000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5ba52a6fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTIDCreated write thread for 0xdd6a8000
, parent_tid=[428], tls=0x7f5ba52a7700, child_tidptr=0x7f5ba52a79d0) = 428
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5ba42a6000
mprotect(0x7f5ba42a7000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5ba4aa5fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTIDCreated write thread for 0xdelce666
, parent_tid=[429], tls=0x7f5ba4aa6700, child_tidptr=0x7f5ba4aa69d0) = 429
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5ba3aa5000
mprotect(0x7f5ba3aa6000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5ba42a4fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTIDCreated write thread for 0xdecf4ccc
, parent_tid=[430], tls=0x7f5ba42a5700, child_tidptr=0x7f5ba42a59d0) = 430
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5ba32a4000
mprotect(0x7f5ba32a5000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5ba3aa3fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[431], tls=0x7f5ba3aa4700,
child_tidptr=0x7f5ba3aa49d0) = 431
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0Created write thread for
0xdf81b332
) = 0x7f5ba2aa3000
mprotect(0x7f5ba2aa4000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5ba32a2fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P

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ARENT_SETTID|CLONE_CHILD_CLEARARTID, parent_tid=[432], tls=0x7f5ba32a3700,
child_tidptr=0x7f5ba32a39d0) = 432
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0Created write thread for
0xe0341998
) = 0x7f5ba22a2000
mprotect(0x7f5ba22a3000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5ba2aa1fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTID|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARARTID, parent_tid=[433], tls=0x7f5ba2aa2700,
child_tidptr=0x7f5ba2aa29d0) = 433
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5ba1aa1000
mprotect(0x7f5ba1aa2000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5ba22a0fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTID|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARARTID, parent_tid=[434], tls=0x7f5ba22a1700,
child_tidptr=0x7f5ba22a19d0) = 434
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5ba12a0000
mprotect(0x7f5ba12a1000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5ba1a9ffb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTID|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARARTID, parent_tid=[435], tls=0x7f5ba1aa0700,
child_tidptr=0x7f5ba1aa09d0) = 435
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5ba0a9f000
mprotect(0x7f5ba0aa0000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5ba129efb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTID|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARARTID, parent_tid=[436], tls=0x7f5ba129f700,
child_tidptr=0x7f5ba129f9d0) = 436
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5ba029e000
mprotect(0x7f5ba029f000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5ba0a9dfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTID|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARARTID, parent_tid=[437], tls=0x7f5ba0a9e700,
child_tidptr=0x7f5ba0a9e9d0) = 437
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9fa9d000
mprotect(0x7f5b9fa9e000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5ba029cfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTID|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARARTID, parent_tid=[438], tls=0x7f5ba029d700,
child_tidptr=0x7f5ba029d9d0) = 438
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9f29c000
mprotect(0x7f5b9f29d000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9fa9bfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTID|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARARTID, parent_tid=[439], tls=0x7f5b9fa9c700,
child_tidptr=0x7f5b9fa9c9d0) = 439
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9ea9b000
mprotect(0x7f5b9ea9c000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9f29afb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTID|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARARTID, parent_tid=[440], tls=0x7f5b9f29b700,
child_tidptr=0x7f5b9f29b9d0) = 440
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9e29a000
mprotect(0x7f5b9e29b000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9ea99fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTID|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARARTID, parent_tid=[441], tls=0x7f5b9ea9a700,
child_tidptr=0x7f5b9ea9a9d0) = 441
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9da99000
mprotect(0x7f5b9da9a000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9e298fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTID|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARARTID, parent_tid=[442], tls=0x7f5b9e299700,
child_tidptr=0x7f5b9e2999d0) = 442
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9d298000
mprotect(0x7f5b9d299000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9da97fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTID|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARARTID, parent_tid=[443], tls=0x7f5b9da98700,
child_tidptr=0x7f5b9da989d0) = 443
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9ca97000
mprotect(0x7f5b9ca98000, 8388608, PROT_READ|PROT_WRITE) = 0
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clone(child_stack=0x7f5b9d296fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[444], tls=0x7f5b9d297700,
child_tidptr=0x7f5b9d2979d0) = 444
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9c296000
mprotect(0x7f5b9c297000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9ca95fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[445], tls=0x7f5b9ca96700,
child_tidptr=0x7f5b9ca969d0) = 445
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9ba95000
mprotect(0x7f5b9ba96000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9c294fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[446], tls=0x7f5b9c295700,
child_tidptr=0x7f5b9c2959d0) = 446
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9b294000
mprotect(0x7f5b9b295000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9ba93fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[447], tls=0x7f5b9ba94700,
child_tidptr=0x7f5b9ba949d0) = 447
read(0, Created write thread for 0xe198e664
Created write thread for 0xe7de7ffa
Created write thread for 0xe3b01996
Created write thread for 0xe24b4cca
Created write thread for 0xe5c74cc8
Created write thread for 0xe679b32e
Created write thread for 0xeaa81992
Created write thread for 0xe4627ffc
Created write thread for 0xe9f5b32c
Created write thread for 0xe72c1994
Created write thread for 0xe890e660
Created write thread for 0xe514e662
Created write thread for 0xe9434cc6
Created write thread for 0xe2fdb330
Created write thread for 0xe0e67ffe
thread 0xd1ce666 WRITE to file 2
thread 0xd1cf4ccc WRITE to file 1
thread 0xdd6a8000 WRITE to file 3

"\n", 1024) = 1
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 6244
fstat(6, {st_mode=S_IFREG|0777, st_size=6244, ...}) = 0
write(6, " ### After filling area ###", 27) = 27
close(6) = 0
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 6271
fstat(6, {st_mode=S_IFREG|0777, st_size=6271, ...}) = 0
write(6, "\n\nfree -h\n", 10) = 10
close(6) = 0
rt_sigaction(SIGINT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0
mmap(NULL, 36864, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f5ba54c2000
rt_sigprocmask(SIG_BLOCK, ~[], [CHLD], 8) = 0
clone(child_stack=0x7f5ba54caff0, flags=CLONE_VM|CLONE_VFORK|SIGCHLD) = 448
munmap(0x7f5ba54c2000, 36864) = 0
rt_sigprocmask(SIG_SETMASK, [CHLD], NULL, 8) = 0
wait4(448, [{WIFEXITED(s) && WEXITSTATUS(s) == 0}], 0, NULL) = 448

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rt_sigaction(SIGINT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
getpid() = 419
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 6485
fstat(6, {st_mode=S_IFREG|0777, st_size=6485, ...}) = 0
write(6, "\nmaps:\n", 7) = 7
close(6) = 0
rt_sigaction(SIGINT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0
mmap(NULL, 36864, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f5ba54c2000
rt_sigprocmask(SIG_BLOCK, ~[], [CHLD], 8) = 0
clone(child_stack=0x7f5ba54caff0, flags=CLONE_VM|CLONE_VFORK|SIGCHLD) = 450
munmap(0x7f5ba54c2000, 36864) = 0
rt_sigprocmask(SIG_SETMASK, [CHLD], NULL, 8) = 0
wait4(450, [{WIFEXITED(s) && WEXITSTATUS(s) == 0}], 0, NULL) = 450
rt_sigaction(SIGINT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 11298
fstat(6, {st_mode=S_IFREG|0777, st_size=11298, ...}) = 0
write(6, "\n", 1) = 1
close(6) = 0
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9aa93000
mprotect(0x7f5b9aa94000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9b292fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[452], tls=0x7f5b9b293700,
child_tidptr=0x7f5b9b2939d0) = 452
write(1, "Created 1 read thread\n", 22)Created 1 read thread
) = 22
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9a292000
mprotect(0x7f5b9a293000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9aa91fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[453], tls=0x7f5b9aa92700,
child_tidptr=0x7f5b9aa929d0) = 453
write(1, "Created 2 read thread\n", 22)Created 2 read thread
) = 22
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b99a91000
mprotect(0x7f5b99a92000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9a290fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[454], tls=0x7f5b9a291700,
child_tidptr=0x7f5b9a2919d0) = 454
write(1, "Created 3 read thread\n", 22)Created 3 read thread
) = 22
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b99290000
mprotect(0x7f5b99291000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b99a8ffb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[455], tls=0x7f5b99a90700,
child_tidptr=0x7f5b99a909d0) = 455
write(1, "Created 4 read thread\n", 22)Created 4 read thread
) = 22
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b98a8f000

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mprotect(0x7f5b98a90000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9928efb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[456], tls=0x7f5b9928f700,
child_tidptr=0x7f5b9928f9d0) = 456
write(1, "Created 5 read thread\n", 22Created 5 read thread
) = 22
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9828e000
mprotect(0x7f5b9828f000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b98a8dfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[457], tls=0x7f5b98a8e700,
child_tidptr=0x7f5b98a8e9d0) = 457
write(1, "Created 6 read thread\n", 22Created 6 read thread
) = 22
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b97a8d000
mprotect(0x7f5b97a8e000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9828cfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[458], tls=0x7f5b9828d700,
child_tidptr=0x7f5b9828d9d0) = 458
write(1, "Created 7 read thread\n", 22Created 7 read thread
) = 22
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9728c000
mprotect(0x7f5b9728d000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b97a8bf0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[459], tls=0x7f5b97a8c700,
child_tidptr=0x7f5b97a8c9d0) = 459
write(1, "Created 8 read thread\n", 22Created 8 read thread
) = 22
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b96a8b000
mprotect(0x7f5b96a8c000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9728afb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[460], tls=0x7f5b9728b700,
child_tidptr=0x7f5b9728b9d0) = 460
write(1, "Created 9 read thread\n", 22Created 9 read thread
) = 22
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9628a000
mprotect(0x7f5b9628b000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b96a89fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[461], tls=0x7f5b96a8a700,
child_tidptr=0x7f5b96a8a9d0) = 461
write(1, "Created 10 read thread\n", 23Created 10 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b95a89000
mprotect(0x7f5b95a8a000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b96288fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[462], tls=0x7f5b96289700,
child_tidptr=0x7f5b962899d0) = 462
write(1, "Created 11 read thread\n", 23Created 11 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b95288000
mprotect(0x7f5b95289000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b95a87fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[463], tls=0x7f5b95a88700,
child_tidptr=0x7f5b95a889d0) = 463
write(1, "Created 12 read thread\n", 23Created 12 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b94a87000
mprotect(0x7f5b94a88000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b95286fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[464], tls=0x7f5b95287700,
child_tidptr=0x7f5b952879d0) = 464
write(1, "Created 13 read thread\n", 23Created 13 read thread

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) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b94286000
mprotect(0x7f5b94287000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b94a85fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[465], tls=0x7f5b94a86700,
child_tidptr=0x7f5b94a869d0) = 465
write(1, "Created 14 read thread\n", 23Created 14 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b93a85000
mprotect(0x7f5b93a86000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b94284fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[466], tls=0x7f5b94285700,
child_tidptr=0x7f5b942859d0) = 466
write(1, "Created 15 read thread\n", 23Created 15 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b93284000
mprotect(0x7f5b93285000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b93a83fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[467], tls=0x7f5b93a84700,
child_tidptr=0x7f5b93a849d0) = 467
write(1, "Created 16 read thread\n", 23Created 16 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b92a83000
mprotect(0x7f5b92a84000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b93282fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[468], tls=0x7f5b93283700,
child_tidptr=0x7f5b932839d0) = 468
write(1, "Created 17 read thread\n", 23Created 17 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b92282000
mprotect(0x7f5b92283000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b92a81fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[469], tls=0x7f5b92a82700,
child_tidptr=0x7f5b92a829d0) = 469
write(1, "Created 18 read thread\n", 23Created 18 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b91a81000
mprotect(0x7f5b91a82000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b92280fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[470], tls=0x7f5b92281700,
child_tidptr=0x7f5b922819d0) = 470
write(1, "Created 19 read thread\n", 23Created 19 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b91280000
mprotect(0x7f5b91281000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b91a7ffb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[471], tls=0x7f5b91a80700,
child_tidptr=0x7f5b91a809d0) = 471
write(1, "Created 20 read thread\n", 23Created 20 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b90a7f000
mprotect(0x7f5b90a80000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9127efb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[472], tls=0x7f5b9127f700,
child_tidptr=0x7f5b9127f9d0) = 472
write(1, "Created 21 read thread\n", 23Created 21 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b9027e000
mprotect(0x7f5b9027f000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b90a7dfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P

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ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[473], tls=0x7f5b90a7e700,
child_tidptr=0x7f5b90a7e9d0) = 473
write(1, "Created 22 read thread\n", 23Created 22 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8fa7d000
mprotect(0x7f5b8fa7e000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b9027cfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[474], tls=0x7f5b9027d700,
child_tidptr=0x7f5b9027d9d0) = 474
write(1, "Created 23 read thread\n", 23Created 23 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8f27c000
mprotect(0x7f5b8f27d000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8fa7bfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[475], tls=0x7f5b8fa7c700,
child_tidptr=0x7f5b8fa7c9d0) = 475
write(1, "Created 24 read thread\n", 23Created 24 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8ea7b000
mprotect(0x7f5b8ea7c000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8f27afb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[476], tls=0x7f5b8f27b700,
child_tidptr=0x7f5b8f27b9d0) = 476
write(1, "Created 25 read thread\n", 23Created 25 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8e27a000
mprotect(0x7f5b8e27b000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8ea79fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[477], tls=0x7f5b8ea7a700,
child_tidptr=0x7f5b8ea7a9d0) = 477
write(1, "Created 26 read thread\n", 23Created 26 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8da79000
mprotect(0x7f5b8da7a000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8e278fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[478], tls=0x7f5b8e279700,
child_tidptr=0x7f5b8e2799d0) = 478
write(1, "Created 27 read thread\n", 23Created 27 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8d278000
mprotect(0x7f5b8d279000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8da77fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[479], tls=0x7f5b8da78700,
child_tidptr=0x7f5b8da789d0) = 479
write(1, "Created 28 read thread\n", 23Created 28 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8ca77000
mprotect(0x7f5b8ca78000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8d276fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[480], tls=0x7f5b8d277700,
child_tidptr=0x7f5b8d2779d0) = 480
write(1, "Created 29 read thread\n", 23Created 29 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8c276000
mprotect(0x7f5b8c277000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8ca75fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[481], tls=0x7f5b8ca76700,
child_tidptr=0x7f5b8ca769d0) = 481
write(1, "Created 30 read thread\n", 23Created 30 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8ba75000
mprotect(0x7f5b8ba76000, 8388608, PROT_READ|PROT_WRITE) = 0

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clone(child_stack=0x7f5b8c274fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[482], tls=0x7f5b8c275700,
child_tidptr=0x7f5b8c2759d0) = 482
write(1, "Created 31 read thread\n", 23Created 31 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8b274000
mprotect(0x7f5b8b275000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8ba73fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[483], tls=0x7f5b8ba74700,
child_tidptr=0x7f5b8ba749d0) = 483
write(1, "Created 32 read thread\n", 23Created 32 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8aa73000
mprotect(0x7f5b8aa74000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8b272fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[484], tls=0x7f5b8b273700,
child_tidptr=0x7f5b8b2739d0) = 484
write(1, "Created 33 read thread\n", 23Created 33 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8a272000
mprotect(0x7f5b8a273000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8aa71fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[485], tls=0x7f5b8aa72700,
child_tidptr=0x7f5b8aa729d0) = 485
write(1, "Created 34 read thread\n", 23Created 34 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b89a71000
mprotect(0x7f5b89a72000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8a270fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[486], tls=0x7f5b8a271700,
child_tidptr=0x7f5b8a2719d0) = 486
write(1, "Created 35 read thread\n", 23Created 35 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b89270000
mprotect(0x7f5b89271000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b89a6ffb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[487], tls=0x7f5b89a70700,
child_tidptr=0x7f5b89a709d0) = 487
write(1, "Created 36 read thread\n", 23Created 36 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b88a6f000
mprotect(0x7f5b88a70000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8926efb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[488], tls=0x7f5b8926f700,
child_tidptr=0x7f5b8926f9d0) = 488
write(1, "Created 37 read thread\n", 23Created 37 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8826e000
mprotect(0x7f5b8826f000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b88a6dfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[489], tls=0x7f5b88a6e700,
child_tidptr=0x7f5b88a6e9d0) = 489
write(1, "Created 38 read thread\n", 23Created 38 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b87a6d000
mprotect(0x7f5b87a6e000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8826cfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[490], tls=0x7f5b8826d700,
child_tidptr=0x7f5b8826d9d0) = 490
write(1, "Created 39 read thread\n", 23Created 39 read thread
) = 23

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mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8726c000
mprotect(0x7f5b8726d000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b87a6bfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[491], tls=0x7f5b87a6c700,
child_tidptr=0x7f5b87a6c9d0) = 491
write(1, "Created 40 read thread\n", 23Created 40 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b86a6b000
mprotect(0x7f5b86a6c000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8726afb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[492], tls=0x7f5b8726b700,
child_tidptr=0x7f5b8726b9d0) = 492
write(1, "Created 41 read thread\n", 23Created 41 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8626a000
mprotect(0x7f5b8626b000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b86a69fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[493], tls=0x7f5b86a6a700,
child_tidptr=0x7f5b86a6a9d0) = 493
write(1, "Created 42 read thread\n", 23Created 42 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b85a69000
mprotect(0x7f5b85a6a000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b86268fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[494], tls=0x7f5b86269700,
child_tidptr=0x7f5b862699d0) = 494
write(1, "Created 43 read thread\n", 23Created 43 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b85268000
mprotect(0x7f5b85269000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b85a67fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[495], tls=0x7f5b85a68700,
child_tidptr=0x7f5b85a689d0) = 495
write(1, "Created 44 read thread\n", 23Created 44 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b84a67000
mprotect(0x7f5b84a68000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b85266fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[496], tls=0x7f5b85267700,
child_tidptr=0x7f5b852679d0) = 496
write(1, "Created 45 read thread\n", 23Created 45 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b84266000
mprotect(0x7f5b84267000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b84a65fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[497], tls=0x7f5b84a66700,
child_tidptr=0x7f5b84a669d0) = 497
write(1, "Created 46 read thread\n", 23Created 46 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b83a65000
mprotect(0x7f5b83a66000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b84264fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[498], tls=0x7f5b84265700,
child_tidptr=0x7f5b842659d0) = 498
write(1, "Created 47 read thread\n", 23Created 47 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b83264000
mprotect(0x7f5b83265000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b83a63fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[499], tls=0x7f5b83a64700,
child_tidptr=0x7f5b83a649d0) = 499

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write(1, "Created 48 read thread\n", 23Created 48 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b82a63000
mprotect(0x7f5b82a64000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b83262fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[500], tls=0x7f5b83263700,
child_tidptr=0x7f5b832639d0) = 500
write(1, "Created 49 read thread\n", 23Created 49 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b82262000
mprotect(0x7f5b82263000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b82a61fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[501], tls=0x7f5b82a62700,
child_tidptr=0x7f5b82a629d0) = 501
write(1, "Created 50 read thread\n", 23Created 50 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b81a61000
mprotect(0x7f5b81a62000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b82260fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[502], tls=0x7f5b82261700,
child_tidptr=0x7f5b822619d0) = 502
write(1, "Created 51 read thread\n", 23Created 51 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b81260000
mprotect(0x7f5b81261000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b81a5ffb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[503], tls=0x7f5b81a60700,
child_tidptr=0x7f5b81a609d0) = 503
write(1, "Created 52 read thread\n", 23Created 52 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b80a5f000
mprotect(0x7f5b80a60000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8125efb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[504], tls=0x7f5b8125f700,
child_tidptr=0x7f5b8125f9d0) = 504
write(1, "Created 53 read thread\n", 23Created 53 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b8025e000
mprotect(0x7f5b8025f000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b80a5dfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[505], tls=0x7f5b80a5e700,
child_tidptr=0x7f5b80a5e9d0) = 505
write(1, "Created 54 read thread\n", 23Created 54 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7fa5d000
mprotect(0x7f5b7fa5e000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b8025cfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[506], tls=0x7f5b8025d700,
child_tidptr=0x7f5b8025d9d0) = 506
write(1, "Created 55 read thread\n", 23Created 55 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7f25c000
mprotect(0x7f5b7f25d000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7fa5fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[507], tls=0x7f5b7fa5c700,
child_tidptr=0x7f5b7fa5c9d0) = 507
write(1, "Created 56 read thread\n", 23Created 56 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7ea5b000
mprotect(0x7f5b7ea5c000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7f25afb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P

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ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[508], tls=0x7f5b7f25b700,
child_tidptr=0x7f5b7f25b9d0) = 508
write(1, "Created 57 read thread\n", 23Created 57 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7e25a000
mprotect(0x7f5b7e25b000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7ea59fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[509], tls=0x7f5b7ea5a700,
child_tidptr=0x7f5b7ea5a9d0) = 509
write(1, "Created 58 read thread\n", 23Created 58 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7da59000
mprotect(0x7f5b7da5a000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7e258fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[510], tls=0x7f5b7e259700,
child_tidptr=0x7f5b7e2599d0) = 510
write(1, "Created 59 read thread\n", 23Created 59 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7d258000
mprotect(0x7f5b7d259000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7da57fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[511], tls=0x7f5b7da58700,
child_tidptr=0x7f5b7da589d0) = 511
write(1, "Created 60 read thread\n", 23Created 60 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7ca57000
mprotect(0x7f5b7ca58000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7d256fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[512], tls=0x7f5b7d257700,
child_tidptr=0x7f5b7d2579d0) = 512
write(1, "Created 61 read thread\n", 23Created 61 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7c256000
mprotect(0x7f5b7c257000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7ca55fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[513], tls=0x7f5b7ca56700,
child_tidptr=0x7f5b7ca569d0) = 513
write(1, "Created 62 read thread\n", 23Created 62 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7ba55000
mprotect(0x7f5b7ba56000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7c254fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[514], tls=0x7f5b7c255700,
child_tidptr=0x7f5b7c2559d0) = 514
write(1, "Created 63 read thread\n", 23Created 63 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7b254000
mprotect(0x7f5b7b255000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7ba53fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[515], tls=0x7f5b7ba54700,
child_tidptr=0x7f5b7ba549d0) = 515
write(1, "Created 64 read thread\n", 23Created 64 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7aa53000
mprotect(0x7f5b7aa54000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7b252fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[516], tls=0x7f5b7b253700,
child_tidptr=0x7f5b7b2539d0) = 516
write(1, "Created 65 read thread\n", 23Created 65 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7a252000
mprotect(0x7f5b7a253000, 8388608, PROT_READ|PROT_WRITE) = 0

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clone(child_stack=0x7f5b7aa51fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[517], tls=0x7f5b7aa52700,
child_tidptr=0x7f5b7aa529d0) = 517
write(1, "Created 66 read thread\n", 23Created 66 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b79a51000
mprotect(0x7f5b79a52000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7a250fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[518], tls=0x7f5b7a251700,
child_tidptr=0x7f5b7a2519d0) = 518
write(1, "Created 67 read thread\n", 23Created 67 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b79250000
mprotect(0x7f5b79251000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b79a4ffb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[519], tls=0x7f5b79a50700,
child_tidptr=0x7f5b79a509d0) = 519
write(1, "Created 68 read thread\n", 23Created 68 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b78a4f000
mprotect(0x7f5b78a50000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7924efb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[520], tls=0x7f5b7924f700,
child_tidptr=0x7f5b7924f9d0) = 520
write(1, "Created 69 read thread\n", 23Created 69 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7824e000
mprotect(0x7f5b7824f000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b78a4dfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[521], tls=0x7f5b78a4e700,
child_tidptr=0x7f5b78a4e9d0) = 521
write(1, "Created 70 read thread\n", 23Created 70 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b77a4d000
mprotect(0x7f5b77a4e000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7824cfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[522], tls=0x7f5b7824d700,
child_tidptr=0x7f5b7824d9d0) = 522
write(1, "Created 71 read thread\n", 23Created 71 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7724c000
mprotect(0x7f5b7724d000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b77a4bf0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[523], tls=0x7f5b77a4c700,
child_tidptr=0x7f5b77a4c9d0) = 523
write(1, "Created 72 read thread\n", 23Created 72 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b76a4b000
mprotect(0x7f5b76a4c000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7724afb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[524], tls=0x7f5b7724b700,
child_tidptr=0x7f5b7724b9d0) = 524
write(1, "Created 73 read thread\n", 23Created 73 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7624a000
mprotect(0x7f5b7624b000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b76a49fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[525], tls=0x7f5b76a4a700,
child_tidptr=0x7f5b76a4a9d0) = 525
write(1, "Created 74 read thread\n", 23Created 74 read thread
) = 23

```



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mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b75a49000
mprotect(0x7f5b75a4a000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b76248fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[526], tls=0x7f5b76249700,
child_tidptr=0x7f5b762499d0) = 526
write(1, "Created 75 read thread\n", 23Created 75 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b75248000
mprotect(0x7f5b75249000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b75a47fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[527], tls=0x7f5b75a48700,
child_tidptr=0x7f5b75a489d0) = 527
write(1, "Created 76 read thread\n", 23Created 76 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b74a47000
mprotect(0x7f5b74a48000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b75246fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[528], tls=0x7f5b75247700,
child_tidptr=0x7f5b752479d0) = 528
write(1, "Created 77 read thread\n", 23Created 77 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b74246000
mprotect(0x7f5b74247000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b74a45fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[529], tls=0x7f5b74a46700,
child_tidptr=0x7f5b74a469d0) = 529
write(1, "Created 78 read thread\n", 23Created 78 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b73a45000
mprotect(0x7f5b73a46000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b74244fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[530], tls=0x7f5b74245700,
child_tidptr=0x7f5b742459d0) = 530
write(1, "Created 79 read thread\n", 23Created 79 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b73244000
mprotect(0x7f5b73245000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b73a43fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[531], tls=0x7f5b73a44700,
child_tidptr=0x7f5b73a449d0) = 531
write(1, "Created 80 read thread\n", 23Created 80 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b72a43000
mprotect(0x7f5b72a44000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b73242fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[532], tls=0x7f5b73243700,
child_tidptr=0x7f5b732439d0) = 532
write(1, "Created 81 read thread\n", 23Created 81 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b72242000
mprotect(0x7f5b72243000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b72a41fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[533], tls=0x7f5b72a42700,
child_tidptr=0x7f5b72a429d0) = 533
write(1, "Created 82 read thread\n", 23Created 82 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b71a41000
mprotect(0x7f5b71a42000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b72240fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[534], tls=0x7f5b72241700,
child_tidptr=0x7f5b722419d0) = 534

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write(1, "Created 83 read thread\n", 23Created 83 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b71240000
mprotect(0x7f5b71241000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b71a3ffb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[535], tls=0x7f5b71a40700,
child_tidptr=0x7f5b71a409d0) = 535
write(1, "Created 84 read thread\n", 23Created 84 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b70a3f000
mprotect(0x7f5b70a40000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7123efb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[536], tls=0x7f5b7123f700,
child_tidptr=0x7f5b7123f9d0) = 536
write(1, "Created 85 read thread\n", 23Created 85 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b7023e000
mprotect(0x7f5b7023f000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b70a3dfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[537], tls=0x7f5b70a3e700,
child_tidptr=0x7f5b70a3e9d0) = 537
write(1, "Created 86 read thread\n", 23Created 86 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b6fa3d000
mprotect(0x7f5b6fa3e000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b7023cfb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[538], tls=0x7f5b7023d700,
child_tidptr=0x7f5b7023d9d0) = 538
write(1, "Created 87 read thread\n", 23Created 87 read thread
) = 23
mmap(NULL, 8392704, PROT_NONE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) = 0x7f5b6f23c000
mprotect(0x7f5b6f23d000, 8388608, PROT_READ|PROT_WRITE) = 0
clone(child_stack=0x7f5b6fa3fb0,
flags=CLONE_VM|CLONE_FS|CLONE_FILES|CLONE_SIGHAND|CLONE_THREAD|CLONE_SYSVSEM|CLONE_SETTLS|CLONE_P
ARENT_SETTID|CLONE_CHILD_CLEARTID, parent_tid=[539], tls=0x7f5b6fa3c700,
child_tidptr=0x7f5b6fa3c9d0) = 539
write(1, "Created 88 read thread\n", 23Created 88 read thread
) = 23
read(0,
"\n", 1024) = 1
futex(0x7f5ba52a79d0, FUTEX_WAIT, 428, NULLthread 0xdelce666 RELEASE file 2
thread 0xdecf4ccc RELEASE file 1
thread 0xdd6a8000 RELEASE file 3
) = 0
munmap(0x7f5ba4aa7000, 8392704) = 0
munmap(0x7f5ba42a6000, 8392704) = 0
munmap(0x7f5ba3aa5000, 8392704) = 0
munmap(0x7f5ba32a4000, 8392704) = 0
munmap(0x7f5ba2aa3000, 8392704) = 0
munmap(0x7f5ba22a2000, 8392704) = 0
munmap(0x7f5ba1aa1000, 8392704) = 0
munmap(0x7f5ba12a0000, 8392704) = 0
munmap(0x7f5ba0a9f000, 8392704) = 0
munmap(0x7f5ba029e000, 8392704) = 0
munmap(0x7f5b9fa9d000, 8392704) = 0
munmap(0x7f5b9f29c000, 8392704) = 0
munmap(0x7f5b9ea9b000, 8392704) = 0
munmap(0x7f5b9e29a000, 8392704) = 0
munmap(0x7f5b9da99000, 8392704) = 0
munmap(0x7f5b9d298000, 8392704) = 0
munmap(0x7f5b9ca97000, 8392704) = 0
munmap(0x7f5b9c296000, 8392704) = 0
munmap(0x7f5b9ba95000, 8392704) = 0
munmap(0x7f5b9b294000, 8392704) = 0

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munmap(0x7f5b9aa93000, 8392704)	= 0
munmap(0x7f5b9a292000, 8392704)	= 0
munmap(0x7f5b99a91000, 8392704)	= 0
munmap(0x7f5b99290000, 8392704)	= 0
munmap(0x7f5b98a8f000, 8392704)	= 0
munmap(0x7f5b9828e000, 8392704)	= 0
munmap(0x7f5b97a8d000, 8392704)	= 0
munmap(0x7f5b9728c000, 8392704)	= 0
munmap(0x7f5b96a8b000, 8392704)	= 0
munmap(0x7f5b9628a000, 8392704)	= 0
munmap(0x7f5b95a89000, 8392704)	= 0
munmap(0x7f5b95288000, 8392704)	= 0
munmap(0x7f5b94a87000, 8392704)	= 0
munmap(0x7f5b94286000, 8392704)	= 0
munmap(0x7f5b93a85000, 8392704)	= 0
munmap(0x7f5b93284000, 8392704)	= 0
munmap(0x7f5b92a83000, 8392704)	= 0
munmap(0x7f5b92282000, 8392704)	= 0
munmap(0x7f5b91a81000, 8392704)	= 0
munmap(0x7f5b91280000, 8392704)	= 0
munmap(0x7f5b90a7f000, 8392704)	= 0
munmap(0x7f5b9027e000, 8392704)	= 0
munmap(0x7f5b8fa7d000, 8392704)	= 0
munmap(0x7f5b8f27c000, 8392704)	= 0
munmap(0x7f5b8ea7b000, 8392704)	= 0
munmap(0x7f5b8e27a000, 8392704)	= 0
munmap(0x7f5b8da79000, 8392704)	= 0
munmap(0x7f5b8d278000, 8392704)	= 0
munmap(0x7f5b8ca77000, 8392704)	= 0
munmap(0x7f5b8c276000, 8392704)	= 0
munmap(0x7f5b8ba75000, 8392704)	= 0
munmap(0x7f5b8b274000, 8392704)	= 0
munmap(0x7f5b8aa73000, 8392704)	= 0
munmap(0x7f5b8a272000, 8392704)	= 0
munmap(0x7f5b89a71000, 8392704)	= 0
munmap(0x7f5b89270000, 8392704)	= 0
munmap(0x7f5b88a6f000, 8392704)	= 0
munmap(0x7f5b8826e000, 8392704)	= 0
munmap(0x7f5b87a6d000, 8392704)	= 0
munmap(0x7f5b8726c000, 8392704)	= 0
munmap(0x7f5b86a6b000, 8392704)	= 0
munmap(0x7f5b8626a000, 8392704)	= 0
munmap(0x7f5b85a69000, 8392704)	= 0
munmap(0x7f5b85268000, 8392704)	= 0
munmap(0x7f5b84a67000, 8392704)	= 0
munmap(0x7f5b84266000, 8392704)	= 0
munmap(0x7f5b83a65000, 8392704)	= 0
munmap(0x7f5b83264000, 8392704)	= 0
munmap(0x7f5b82a63000, 8392704)	= 0
munmap(0x7f5b82262000, 8392704)	= 0
munmap(0x7f5b81a61000, 8392704)	= 0
munmap(0x7f5b81260000, 8392704)	= 0
munmap(0x7f5b80a5f000, 8392704)	= 0
munmap(0x7f5b8025e000, 8392704)	= 0
munmap(0x7f5b7fa5d000, 8392704)	= 0
munmap(0x7f5b7f25c000, 8392704)	= 0
munmap(0x7f5b7ea5b000, 8392704)	= 0
munmap(0x7f5b7e25a000, 8392704)	= 0
munmap(0x7f5b7da59000, 8392704)	= 0
munmap(0x7f5b7d258000, 8392704)	= 0
munmap(0x7f5b7ca57000, 8392704)	= 0
munmap(0x7f5b7c256000, 8392704)	= 0
munmap(0x7f5b7ba55000, 8392704)	= 0
munmap(0x7f5b7b254000, 8392704)	= 0
munmap(0x7f5b7aa53000, 8392704)	= 0
munmap(0x7f5b7a252000, 8392704)	= 0

```

munmap(0x7f5b79a51000, 8392704) = 0
munmap(0x7f5b79250000, 8392704) = 0
munmap(0x7f5b78a4f000, 8392704) = 0
munmap(0x7f5b7824e000, 8392704) = 0
munmap(0x7f5b77a4d000, 8392704) = 0
munmap(0x7f5b7724c000, 8392704) = 0
munmap(0x7f5b76a4b000, 8392704) = 0
munmap(0x7f5b7624a000, 8392704) = 0
munmap(0x7f5b75a49000, 8392704) = 0
munmap(0x7f5b75248000, 8392704) = 0
munmap(0x7f5b74a47000, 8392704) = 0
munmap(0x7f5b74246000, 8392704) = 0
munmap(0x7f5b73a45000, 8392704) = 0
munmap(0x7f5b73244000, 8392704) = 0
munmap(0x7f5b72a43000, 8392704) = 0
munmap(0x7f5b72242000, 8392704) = 0
munmap(0x7f5b71a41000, 8392704) = 0
munmap(0x7f5b71240000, 8392704) = 0
munmap(0xdd6a8000, 233832448) = 0
write(1, "Memory deallocated\n", 19Memory deallocated
) = 19
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 11299
fstat(6, {st_mode=S_IFREG|0777, st_size=11299, ...}) = 0
write(6, " ### After deallocation ###", 27) = 27
close(6) = 0
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 11326
fstat(6, {st_mode=S_IFREG|0777, st_size=11326, ...}) = 0
write(6, "\n\nfree -h\n", 10) = 10
close(6) = 0
rt_sigaction(SIGINT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0
mmap(NULL, 36864, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f5ba54c2000
rt_sigprocmask(SIG_BLOCK, ~[], [CHLD], 8) = 0
clone(child_stack=0x7f5ba54caff0, flags=CLONE_VM|CLONE_VFORK|SIGCHLD) = 540
munmap(0x7f5ba54c2000, 36864) = 0
rt_sigprocmask(SIG_SETMASK, [CHLD], NULL, 8) = 0
wait4(540, [{WIFEXITED(s) && WEXITSTATUS(s) == 0}], 0, NULL) = 540
rt_sigaction(SIGINT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
--- SIGCHLD {si_signo=SIGCHLD, si_code=CLD_EXITED, si_pid=540, si_uid=1000, si_status=0,
si_utime=0, si_stime=0} ---
getpid() = 419
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 11540
fstat(6, {st_mode=S_IFREG|0777, st_size=11540, ...}) = 0
write(6, "\nmaps:\n", 7) = 7
close(6) = 0
rt_sigaction(SIGINT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_IGN, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0

```

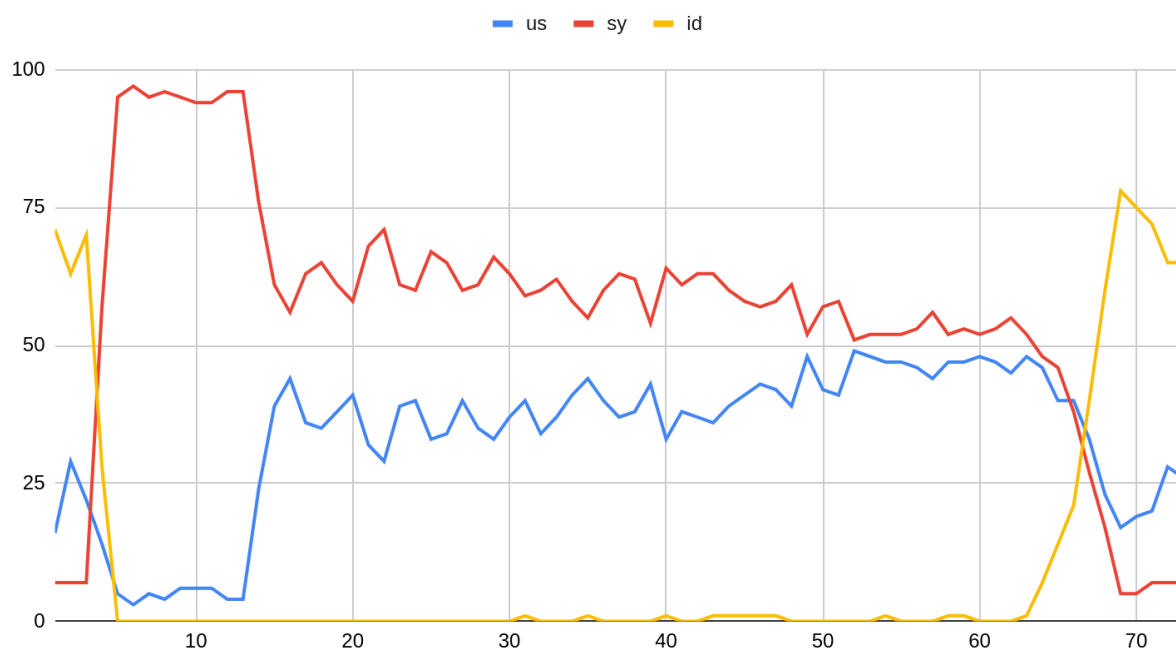
```

mmap(NULL, 36864, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS|MAP_STACK, -1, 0) =
0x7f5ba54c2000
rt_sigprocmask(SIG_BLOCK, ~[], [CHLD], 8) = 0
clone(child_stack=0x7f5ba54caff0, flags=CLONE_VM|CLONE_VFORK|SIGCHLD) = 542
munmap(0x7f5ba54c2000, 36864) = 0
rt_sigprocmask(SIG_SETMASK, [CHLD], NULL, 8) = 0
wait4(542, [{WIFEXITED(s) && WEXITSTATUS(s) == 0}], 0, NULL) = 542
rt_sigaction(SIGINT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigaction(SIGQUIT, {sa_handler=SIG_DFL, sa_mask=[], sa_flags=SA_RESTORER,
sa_restorer=0x7f5ba52f1210}, NULL, 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
--- SIGCHLD {si_signo=SIGCHLD, si_code=CLD_EXITED, si_pid=542, si_uid=1000, si_status=0,
si_utime=0, si_stime=0} ---
openat(AT_FDCWD, "/mnt/c/Users/Admin/os-laba/log_memory.txt", O_WRONLY|O_CREAT|O_APPEND, 0666) =
6
lseek(6, 0, SEEK_END) = 14793
fstat(6, {st_mode=S_IFREG|0777, st_size=14793, ...}) = 0
write(6, "\n", 1) = 1
close(6) = 0
close(3) = 0
close(4) = 0
close(5) = 0
read(0,
"\n", 1024) = 1
exit_group(0) = ?
+++ exited with 0 +++

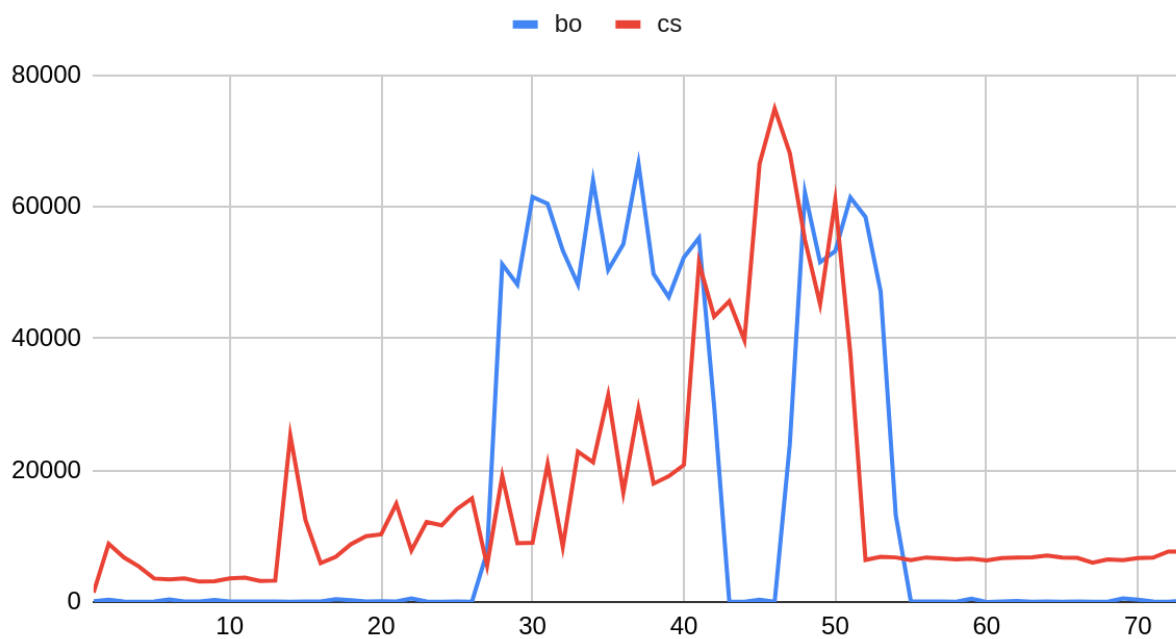
```

Графики

Загруженность процессора



bo и cs



in

