

# Terms

- system call
- software interrupt.
- handlers.
- sys\_call\_table.

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system call = invoke + saving context on stack + jump to syscall number index in sys\_call\_table + sysexit + user space restore context from stack.

## What is system call ?

- Two views:
  - userspace.
  - kernel space.

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## userspace

- discussion point.

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## kernel space

- software interrupt defined `syscall.h` as exception handler (function) { ... }.



## commands

```
# trace system call.  
strace <program to be executed>  
strace -c <program>
```

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## table for all system calls available.

<https://filippo.io/linux-syscall-table>

## linux System call .h file

<https://elixir.bootlin.com/linux/latest/source/include/linux/syscalls.h>