

| SysCall | Description | rax | rdi | rsi | rdx | r10 | r8 | r9 |
|----------------|---|-----|-----------------------|----------------------|---------------------|---------------------|------------------|-------------------|
| read | read from a file descriptor | 0 | unsigned int fd | char *buf | size_t count | | | |
| write | write to a file descriptor | 1 | unsigned int fd | const char *buf | size_t count | | | |
| open | open a file or device | 2 | const char *filename | int flags | int mode | | | |
| close | close a file descriptor | 3 | unsigned int fd | | | | | |
| stat | get file status | 4 | const char *filename | struct stat *statbuf | | | | |
| fstat | get file status | 5 | unsigned int fd | struct stat *statbuf | | | | |
| lstat | get file status | 6 | fconst char *filename | struct stat *statbuf | | | | |
| poll | wait for some event on a file descriptor | 7 | struct poll_fd *ufds | unsigned int nfds | long timeout_msecs | | | |
| lseek | reposition read/write file offset | 8 | unsigned int fd | off_t offset | unsigned int origin | | | |
| mmap | map pages of memory | 9 | unsigned long addr | unsigned long len | unsigned long prot | unsigned long flags | unsigned long fd | unsigned long off |
| mprotect | set protection of memory mapping | 10 | unsigned long start | size_t len | unsigned long prot | | | |
| munmap | unmap pages of memory | 11 | unsigned long addr | size_t len | | | | |
| brk | change data segment size | 12 | unsigned long brk | | | | | |
| rt_sigaction | examine and change a signal action | 13 | | | | | | |
| rt_sigprocmask | examine and change blocked signals | 14 | | | | | | |
| rt_sigreturn | return from signal handler and cleanup stack frame | 15 | | | | | | |
| ioctl | control device | 16 | | | | | | |
| pread64 | read from or write to a file descriptor at a given offset | 17 | | | | | | |
| cmd | a description | n | | | | | | |
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