

notes sur les fonctions autorisées

▼ poll

La fonction appel système unix `poll` est définie dans la bibliothèque `poll.h`, elle fonctionne de la manière suivante:

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▼ socket

socket...

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## socket interface programming

* **socket** - creates an endpoint for communication and returns a descriptor.
  * https://linux.die.net/man/7/socket
  * https://linux.die.net/man/2/socket
  * https://fr.manpages.org/socket/7

* **setsockopt** - set the socket options
  * https://fr.manpages.org/setsockopt/2
  * https://linux.die.net/man/3/setsockopt

* **getsockname** - get the socket name
  * https://linux.die.net/man/3/getsockname
  * https://fr.manpages.org/getsockname/2

* **accept** - accept a connection on a socket
  * https://linux.die.net/man/2/accept
  * https://fr.manpages.org/accept/2

* **listen** - listen for connections on a socket
  * https://linux.die.net/man/2/listen
  * https://fr.manpages.org/listen/2

* **send** - send a message on a socket
  * https://fr.manpages.org/send/2
  * https://linux.die.net/man/2/send

* **recv** - receive a message from a socket
  * https://fr.manpages.org/recv/2
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* https://linux.die.net/man/2/recv

* **bind** - bind a name to a socket
* https://linux.die.net/man/2/bind
* https://fr.manpages.org/bind/2

* connect - initiate a connection on a socket
* https://linux.die.net/man/2/connect
* https://fr.manpages.org/connect/2

## managing I/O multiplexing

* **select**
* https://linux.die.net/man/2/select
* https://fr.manpages.org/select/2

* **poll**, function that allows a program to monitor multiple file descriptors
* https://linux.die.net/man/2/poll

* **epoll**, more recent and efficient version of poll
* https://linux.die.net/man/4/epoll
* https://linux.die.net/man/7/epoll
* **epoll_create**
* https://fr.manpages.org/epoll\_create1/2
* **epoll_ctl**
* https://fr.manpages.org/epoll\_ctl/2
* **epoll_wait**
* https://fr.manpages.org/epoll\_wait/2

## managing I/O multiplexing, BSD functions

* **kqueue (kqueue, kevent)**
* https://man.openbsd.org/kqueue.2

## functions used when working with Internet protocols (converting 16 and 32 bit integer)

* **htonl**, **htons**, **ntohl**, **ntohs**
* https://linux.die.net/man/3/htons

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* inet_addr - Internet address manipulation routines
* https://linux.die.net/man/3/inet\_addr

* getprotobyname - get protocol entry
* https://linux.die.net/man/3/getprotobyname
* https://fr.manpages.org/getprotobyname\_r/3

* fcntl - file control
* https://linux.die.net/man/3/fcntl

* getaddrinfo - network address and service translation
* https://linux.die.net/man/3/getaddrinfo

* freeaddrinfo
* https://linux.die.net/man/3/freeaddrinfo

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- * execve
- * dup
- * dup2
- * pipe
- * strerror
- * gai_strerror
- * errno
- * fork