

request poll()

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\mediactl\linux-master) (Documentation) (userspace-api) (media) (mediactl) request-func-poll.rst, line 2)

Unknown directive type "c.namespace".

```
.. c:namespace:: MC
```

Name

request-poll - Wait for some event on a file descriptor

Synopsis

```
#include <sys/poll.h>
```

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Unknown directive type "c.function".

```
.. c:function:: int poll( struct pollfd *ufds, unsigned int nfds, int timeout )
```

Arguments

ufds

List of file descriptor events to be watched

nfds

Number of file descriptor events at the *ufds array

timeout

Timeout to wait for events

Description

With the `c:func:poll()` function applications can wait for a request to complete.

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Unknown interpreted text role "c:func".

On success `c:func:poll()` returns the number of file descriptors that have been selected (that is, file descriptors for which the `revents` field of the respective struct `c:type:pollfd` is non-zero). Request file descriptor set the `POLLPRI` flag in `revents` when the request was completed. When the function times out it returns a value of zero, on failure it returns -1 and the `errno` variable is set appropriately.

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Attempting to poll for a request that is not yet queued will set the `POLLERR` flag in `revents`.

Return Value

On success, `cfunc::poll()` returns the number of structures which have non-zero `revents` fields, or zero if the call timed out. On error -1 is returned, and the `errno` variable is set appropriately:

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Unknown interpreted text role "cfunc".

`EBADF`

One or more of the `ufds` members specify an invalid file descriptor.

`EFAULT`

`ufds` references an inaccessible memory area.

`EINTR`

The call was interrupted by a signal.

`EINVAL`

The `nfds` value exceeds the `RLIMIT_NOFILE` value. Use `getrlimit()` to obtain this value.