sd_event_get_fd

- Description
- Return Value
  - Errors
- Examples
- History
- See Also

systemd

sd_event_get_fd

3

sd_event_get_fd

Obtain a file descriptor to poll for event loop events

#include <systemd/sd-event.h>

int

sd_event_get_fd

sd_event *

event

Description

`sd_event_get_fd()` returns the file descriptor that an event loop object returned by the `sd_event_new(3)` function uses to wait for events. This file descriptor may itself be polled for `POLLIN` / `EPOLLIN` events. This makes it possible to embed an `sd-event(3)` event loop into another, possibly foreign, event loop.

The returned file descriptor refers to an `epoll(7)` object. It is recommended not to alter it by invoking `epoll_ctl(2)` on it, in order to avoid interference with the event loop's inner logic and assumptions.

Return Value

On success, `sd_event_get_fd()` returns a non-negative file descriptor. On failure, it returns a negative errno-style error code.

Errors

Returned errors may indicate the following problems:

`-EINVAL`
`event` is not a valid pointer to an sd_event structure.

`-ECHILD`
The event loop has been created in a different process, library or module instance.

Examples

Integration in the GLib event loop

History

`sd_event_get_fd()` was added in version 217.

See Also

`sd-event(3)`, `sd_event_new(3)`, `sd_event_wait(3)`, `epoll_ctl(2)`, `epoll(7)`

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