

NAME

epoll_event, epoll_data, epoll_data_t – epoll event

LIBRARY

Standard C library (*libc*)

SYNOPSIS

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

```
struct epoll_event {
    uint32_t      events; /* Epoll events */
    epoll_data_t  data;    /* User data variable */
};
```

```
union epoll_data {
    void      *ptr;
    int       fd;
    uint32_t  u32;
    uint64_t  u64;
};
```

```
typedef union epoll_data  epoll_data_t;
```

DESCRIPTION

The *epoll_event* structure specifies data that the kernel should save and return when the corresponding file descriptor becomes ready.

VERSIONS**C library/kernel differences**

The Linux kernel headers also provide this type, with a slightly different definition:

```
#include <linux/eventpoll.h>
```

```
struct epoll_event {
    __poll_t  events;
    __u64     data;
};
```

STANDARDS

Linux.

SEE ALSO

epoll_wait(2), epoll_ctl(2)