

NAME

pcap_setdirection – set the direction for which packets will be captured

SYNOPSIS

```
#include <pcap/pcap.h>
```

```
int pcap_setdirection(pcap_t *p, pcap_direction_t d);
```

DESCRIPTION

pcap_setdirection() is used to specify a direction that packets will be captured. *d* is one of the constants **PCAP_D_IN**, **PCAP_D_OUT** or **PCAP_D_INOUT**. **PCAP_D_IN** will only capture packets received by the device, **PCAP_D_OUT** will only capture packets sent by the device and **PCAP_D_INOUT** will capture packets received by or sent by the device. **PCAP_D_INOUT** is the default setting if this function is not called.

pcap_setdirection() isn't necessarily fully supported on all platforms; some platforms might return an error for all values, and some other platforms might not support **PCAP_D_OUT**.

This operation is not supported if a “savefile” is being read.

RETURN VALUE

pcap_setdirection() returns **0** on success and **PCAP_ERROR** on failure. If **PCAP_ERROR** is returned, **pcap_geterr(3PCAP)** or **pcap_perror(3PCAP)** may be called with *p* as an argument to fetch or display the error text.

SEE ALSO

pcap(3PCAP)