NAME

pcap_open_dead, pcap_open_dead_with_tstamp_precision − open a fake pcap_t for compiling filters or opening a capture for output

SYNOPSIS

#include <pcap/pcap.h>

pcap_t *pcap_open_dead(int linktype, int snaplen);
pcap_t *pcap_open_dead_with_tstamp_precision(int linktype, int snaplen,
u_int precision);

DESCRIPTION

pcap_open_dead() and **pcap_open_dead_with_tstamp_precision**() are used for creating a **pcap_t** structure to use when calling the other functions in libpcap. It is typically used when just using libpcap for compiling BPF code; it can also be used if using **pcap_dump_open**(3PCAP), **pcap_dump**(3PCAP), and **pcap_dump_close**(3PCAP) to write a savefile if there is no **pcap_t** that supplies the packets to be written.

linktype specifies the link-layer type for the **pcap_t**.

snaplen specifies the snapshot length for the **pcap_t**.

When **pcap_open_dead_with_tstamp_precision**(), is used to create a **pcap_t** for use with **pcap_dump_open**(), *precision* specifies the time stamp precision for packets; **PCAP_TSTAMP_PRECISION_MICRO** should be specified if the packets to be written have time stamps in seconds and microseconds, and **PCAP_TSTAMP_PRECISION_NANO** should be specified if the packets to be written have time stamps in seconds and nanoseconds. Its value does not affect **pcap_compile**(3PCAP).

BACKWARD COMPATIBILITY

The **pcap_open_dead_with_tstamp_precision**() function became available in libpcap release 1.5.1. In previous releases, there was no mechanism to open a savefile for writing with time stamps given in seconds and nanoseconds.

SEE ALSO

pcap(3PCAP), **pcap-linktype**(7)