NAME

pcap_list_tstamp_types, pcap_free_tstamp_types − get a list of time stamp types supported by a capture device, and free that list

SYNOPSIS

#include <pcap/pcap.h>

int pcap_list_tstamp_types(pcap_t *p, int **tstamp_typesp);
void pcap_free_tstamp_types(int *tstamp_types);

DESCRIPTION

pcap_list_tstamp_types() is used to get a list of the supported time stamp types of the interface associated with the pcap descriptor. **pcap_list_tstamp_types**() allocates an array to hold the list and sets **tstamp_typesp* to point to the array. See**pcap-tstamp**(7) for a list of all the time stamp types.

The caller is responsible for freeing the array with **pcap_free_tstamp_types**(), which frees the list pointed to by *tstamp_types*.

RETURN VALUE

pcap_list_tstamp_types() returns the number of time stamp types in the array on success and **PCAP_ERROR** on failure. A return value of one means that the only time stamp type supported is the one in the list, which is the capture device's default time stamp type. A return value of zero means that the only time stamp type supported is **PCAP_TSTAMP_HOST**, which is the capture device's default time stamp type (only older versions of libpcap will return that; newer versions will always return one or more types). 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.

BACKWARD COMPATIBILITY

These functions became available in libpcap release 1.2.1. In previous releases, the time stamp type cannot be set; only the default time stamp type offered by a capture source is available.

SEE ALSO

pcap(3PCAP), **pcap_tstamp_type_val_to_name**(3PCAP), **pcap-tstamp**(7)