

NAME

`pcap_list_timestamp_types`, `pcap_free_timestamp_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_timestamp_types(pcap_t *p, int **timestamp_typesp);
```

```
void pcap_free_timestamp_types(int *timestamp_types);
```

DESCRIPTION

`pcap_list_timestamp_types()` is used to get a list of the supported time stamp types of the interface associated with the pcap descriptor. `pcap_list_timestamp_types()` allocates an array to hold the list and sets **timestamp_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_timestamp_types()`, which frees the list pointed to by *timestamp_types*.

RETURN VALUE

`pcap_list_timestamp_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_timestamp_type_val_to_name(3PCAP)`, `pcap-tstamp(7)`