

NAME

`pcap_list_datalinks`, `pcap_free_datalinks` – get a list of link-layer header types supported by a capture device, and free that list

SYNOPSIS

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

int pcap_list_datalinks(pcap_t *p, int **dlt_buf);
void pcap_free_datalinks(int *dlt_list);
```

DESCRIPTION

`pcap_list_datalinks()` is used to get a list of the supported link-layer header types of the interface associated with the pcap descriptor. `pcap_list_datalinks()` allocates an array to hold the list and sets *dlt_buf* to point to that array.

The caller is responsible for freeing the array with `pcap_free_datalinks()`, which frees the list of link-layer header types pointed to by *dlt_list*.

It must not be called on a pcap descriptor created by `pcap_create(3PCAP)` that has not yet been activated by `pcap_activate(3PCAP)`.

RETURN VALUE

`pcap_list_datalinks()` returns the number of link-layer header types in the array on success, **PCAP_ERROR_NOT_ACTIVATED** if called on a capture handle that has been created but not activated, and **PCAP_ERROR** on other errors. 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)`, `pcap_datalink_val_to_name(3PCAP)`, `pcap-linktype(7)`