

NAME

`pcap_set_tstamp_precision` - set the time stamp precision returned in captures

SYNOPSIS

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

```
int pcap_set_tstamp_precision(pcap_t *p, int tstamp_precision);
```

DESCRIPTION

`pcap_set_tstamp_precision()` sets the precision of the time stamp desired for packets captured on the pcap descriptor to the type specified by *tstamp_precision*. It must be called on a pcap descriptor created by `pcap_create(3)` that has not yet been activated by `pcap_activate(3)`. Two time stamp precisions are supported, microseconds and nanoseconds. One can use options **PCAP_TSTAMP_PRECISION_MICRO** and **PCAP_TSTAMP_PRECISION_NANO** to request desired precision. By default, time stamps are in microseconds.

RETURN VALUE

`pcap_set_tstamp_precision()` returns **0** on success if the specified time stamp precision is expected to be supported by the capture device, **PCAP_ERROR_TSTAMP_PRECISION_NOTSUP** if the capture device does not support the requested time stamp precision, **PCAP_ERROR_ACTIVATED** if called on a capture handle that has been activated.

BACKWARD COMPATIBILITY

This function became available in libpcap release 1.5.1. In previous releases, time stamps from a capture device or savefile are always given in seconds and microseconds.

SEE ALSO

`pcap(3)`, `pcap_get_tstamp_precision(3)`, `pcap-tstamp(7)`