

**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)`