

NAME

DTLSv1_get_timeout – determine when a DTLS or QUIC SSL object next needs a timeout event to be handled

SYNOPSIS

```
#include <openssl/ssl.h>
```

```
int DTLSv1_get_timeout(SSL *s, struct timeval *tv);
```

DESCRIPTION

DTLSv1_get_timeout() can be used on a DTLS or QUIC SSL object to determine when the SSL object next needs to perform internal processing due to the passage of time.

Calling **DTLSv1_get_timeout()** results in **tv* being written with an amount of time left before the SSL object needs have **DTLSv1_handle_timeout()** called on it. If the SSL object needs to be ticked immediately, **tv* is zeroed and the function succeeds, returning 1. If no timeout is currently active, this function returns 0.

This function is only applicable to DTLS and QUIC objects. It fails if called on any other kind of SSL object.

Note that the value output by a call to **DTLSv1_get_timeout()** may change as a result of other calls to the SSL object.

Once the timeout expires, **DTLSv1_handle_timeout()** should be called to handle any internal processing which is due; for more information, see **DTLSv1_handle_timeout** (3).

SSL_get_event_timeout (3) supersedes all use cases for this this function and may be used instead of it.

RETURN VALUES

On success, writes a duration to **tv* and returns 1.

Returns 0 on failure, or if no timeout is currently active.

SEE ALSO

DTLSv1_handle_timeout (3), **SSL_get_event_timeout** (3), **ssl** (7)

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