

NAME

SSL_CTX_set_timeout, SSL_CTX_get_timeout - manipulate timeout values for session caching

SYNOPSIS

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

long SSL_CTX_set_timeout(SSL_CTX *ctx, long t);
long SSL_CTX_get_timeout(SSL_CTX *ctx);
```

DESCRIPTION

SSL_CTX_set_timeout() sets the timeout for newly created sessions for **ctx** to **t**. The timeout value **t** must be given in seconds.

SSL_CTX_get_timeout() returns the currently set timeout value for **ctx**.

NOTES

Whenever a new session is created, it is assigned a maximum lifetime. This lifetime is specified by storing the creation time of the session and the timeout value valid at this time. If the actual time is later than creation time plus timeout, the session is not reused.

Due to this realization, all sessions behave according to the timeout value valid at the time of the session negotiation. Changes of the timeout value do not affect already established sessions.

The expiration time of a single session can be modified using the *SSL_SESSION_get_time(3)* family of functions.

Expired sessions are removed from the internal session cache, whenever *SSL_CTX_flush_sessions(3)* is called, either directly by the application or automatically (see *SSL_CTX_set_session_cache_mode(3)*)

The default value for session timeout is decided on a per protocol basis, see *SSL_get_default_timeout(3)*. All currently supported protocols have the same default timeout value of 300 seconds.

RETURN VALUES

SSL_CTX_set_timeout() returns the previously set timeout value.

SSL_CTX_get_timeout() returns the currently set timeout value.

SEE ALSO

ssl(3), *SSL_CTX_set_session_cache_mode(3)*, *SSL_SESSION_get_time(3)*, *SSL_CTX_flush_sessions(3)*, *SSL_get_default_timeout(3)*

COPYRIGHT

Copyright 2001-2016 The OpenSSL Project Authors. All Rights Reserved.

Licensed under the OpenSSL license (the “License”). You may not use this file except in compliance with the License. You can obtain a copy in the file LICENSE in the source distribution or at <https://www.openssl.org/source/license.html>.