

NAME

`SSL_set_session` - set a TLS/SSL session to be used during TLS/SSL connect

SYNOPSIS

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

```
int SSL_set_session(SSL *ssl, SSL_SESSION *session);
```

DESCRIPTION

`SSL_set_session()` sets **session** to be used when the TLS/SSL connection is to be established. `SSL_set_session()` is only useful for TLS/SSL clients. When the session is set, the reference count of **session** is incremented by 1. If the session is not reused, the reference count is decremented again during `SSL_connect()`. Whether the session was reused can be queried with the `SSL_session_reused(3)` call.

If there is already a session set inside **ssl** (because it was set with `SSL_set_session()` before or because the same **ssl** was already used for a connection), `SSL_SESSION_free()` will be called for that session. If that old session is still **open**, it is considered bad and will be removed from the session cache (if used). A session is considered open, if `SSL_shutdown(3)` was not called for the connection (or at least `SSL_set_shutdown(3)` was used to set the `SSL_SENT_SHUTDOWN` state).

NOTES

`SSL_SESSION` objects keep internal link information about the session cache list, when being inserted into one `SSL_CTX` object's session cache. One `SSL_SESSION` object, regardless of its reference count, must therefore only be used with one `SSL_CTX` object (and the `SSL` objects created from this `SSL_CTX` object).

RETURN VALUES

The following return values can occur:

- 0 The operation failed; check the error stack to find out the reason.
- 1 The operation succeeded.

SEE ALSO

`ssl(3)`, `SSL_SESSION_free(3)`, `SSL_get_session(3)`, `SSL_session_reused(3)`,
`SSL_CTX_set_session_cache_mode(3)`

COPYRIGHT

Copyright 2000-2016 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>.