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Rocky Enterprise Linux 9.2 Manual Pages on command 'SSL_set_session.3ossl'

\$ man SSL_set_session.3ossl

SSL_SET_SESSION(3ossl) OpenSSL SSL_SET_SESSION(3ossl)

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. This is also the case when `session` is a `NULL` pointer. 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(7)`, `SSL_SESSION_free(3)`, `SSL_get_session(3)`, `SSL_session_reused(3)`,
`SSL_CTX_set_session_cache_mode(3)`

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3.0.7 2023-07-13 SSL_SET_SESSION(3ossl)