



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'SSL_get_time.3ossl' command

\$ man SSL_get_time.3ossl

SSL_SESSION_GET_TIME(3ossl) OpenSSL SSL_SESSION_GET_TIME(3ossl)

NAME

SSL_SESSION_get_time, SSL_SESSION_set_time, SSL_SESSION_get_timeout,
SSL_SESSION_set_timeout, SSL_get_time, SSL_set_time, SSL_get_timeout,
SSL_set_timeout - retrieve and manipulate session time and timeout
settings

SYNOPSIS

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

long SSL_SESSION_get_time(const SSL_SESSION *s);

long SSL_SESSION_set_time(SSL_SESSION *s, long tm);

long SSL_SESSION_get_timeout(const SSL_SESSION *s);

long SSL_SESSION_set_timeout(SSL_SESSION *s, long tm);

long SSL_get_time(const SSL_SESSION *s);

long SSL_set_time(SSL_SESSION *s, long tm);

long SSL_get_timeout(const SSL_SESSION *s);

long SSL_set_timeout(SSL_SESSION *s, long tm);
```

DESCRIPTION

SSL_SESSION_get_time() returns the time at which the session s was established. The time is given in seconds since the Epoch and therefore compatible to the time delivered by the time() call.

SSL_SESSION_set_time() replaces the creation time of the session s with the chosen value tm.

SSL_SESSION_get_timeout() returns the timeout value set for session s

in seconds.

SSL_SESSION_set_timeout() sets the timeout value for session *s* in seconds to *tm*.

The SSL_get_time(), SSL_set_time(), SSL_get_timeout(), and SSL_set_timeout() functions are synonyms for the SSL_SESSION_*() counterparts.

NOTES

Sessions are expired by examining the creation time and the timeout value. Both are set at creation time of the session to the actual time and the default timeout value at creation, respectively, as set by SSL_CTX_set_timeout(3). Using these functions it is possible to extend or shorten the lifetime of the session.

RETURN VALUES

SSL_SESSION_get_time() and SSL_SESSION_get_timeout() return the currently valid values.

SSL_SESSION_set_time() and SSL_SESSION_set_timeout() return 1 on success.

If any of the function is passed the NULL pointer for the session *s*, 0 is returned.

SEE ALSO

ssl(7), SSL_CTX_set_timeout(3), SSL_get_default_timeout(3)

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