

NAME

SSL_CTX_get_ex_data, SSL_CTX_set_ex_data, SSL_get_ex_data, SSL_set_ex_data - Store and retrieve extra data from the SSL_CTX, SSL or SSL_SESSION

SYNOPSIS

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

void *SSL_CTX_get_ex_data(const SSL_CTX *s, int idx);

int SSL_CTX_set_ex_data(SSL_CTX *s, int idx, void *arg);

void *SSL_get_ex_data(const SSL *s, int idx);

int SSL_set_ex_data(SSL *s, int idx, void *arg);
```

DESCRIPTION

SSL*_set_ex_data() functions can be used to store arbitrary user data into the SSL_CTX, or SSL object. The user must supply a unique index which they can subsequently use to retrieve the data using SSL*_get_ex_data().

For more detailed information see [CRYPTO_get_ex_data\(3\)](#) and [CRYPTO_set_ex_data\(3\)](#) which implement these functions and [CRYPTO_get_ex_new_index\(3\)](#) for generating a unique index.

RETURN VALUES

The SSL*_set_ex_data() functions return 1 if the item is successfully stored and 0 if it is not. The SSL*_get_ex_data() functions return the ex_data pointer if successful, otherwise NULL.

SEE ALSO

[CRYPTO_get_ex_data\(3\)](#), [CRYPTO_set_ex_data\(3\)](#), [CRYPTO_get_ex_new_index\(3\)](#)

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