

NAME

SSL_CTX_set_ssl_version, SSL_set_ssl_method, SSL_get_ssl_method - choose a new TLS/SSL method

SYNOPSIS

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

```
int SSL_CTX_set_ssl_version(SSL_CTX *ctx, const SSL_METHOD *method);  
int SSL_set_ssl_method(SSL *s, const SSL_METHOD *method);  
const SSL_METHOD *SSL_get_ssl_method(SSL *ssl);
```

DESCRIPTION

SSL_CTX_set_ssl_version() sets a new default TLS/SSL **method** for SSL objects newly created from this **ctx**. SSL objects already created with *SSL_new(3)* are not affected, except when *SSL_clear(3)* is being called.

SSL_set_ssl_method() sets a new TLS/SSL **method** for a particular **ssl** object. It may be reset, when *SSL_clear()* is called.

SSL_get_ssl_method() returns a function pointer to the TLS/SSL method set in **ssl**.

NOTES

The available **method** choices are described in *SSL_CTX_new(3)*.

When *SSL_clear(3)* is called and no session is connected to an SSL object, the method of the SSL object is reset to the method currently set in the corresponding SSL_CTX object.

RETURN VALUES

The following return values can occur for *SSL_CTX_set_ssl_version()* and *SSL_set_ssl_method()*:

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

SEE ALSO

SSL_CTX_new(3), *SSL_new(3)*, *SSL_clear(3)*, *ssl(3)*, *SSL_set_connect_state(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>.