



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

\$ man SSL_set_ssl_method.3ossl

SSL_CTX_SET_SSL_VERSION(3ossl) OpenSSL SSL_CTX_SET_SSL_VERSION(3ossl)

NAME

SSL_CTX_set_ssl_version, SSL_CTX_get_ssl_method, 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);

const SSL_METHOD *SSL_CTX_get_ssl_method(const SSL_CTX *ctx);

int SSL_set_ssl_method(SSL *s, const SSL_METHOD *method);

const SSL_METHOD *SSL_get_ssl_method(const SSL *ssl);
```

DESCRIPTION

SSL_CTX_set_ssl_version() sets a new default TLS/SSL method for SSL objects newly created from this ctx. Most of the configuration attached to the SSL_CTX object is retained, with the exception of the configured TLS ciphers, which are reset to the default values. SSL objects already created from this SSL_CTX with SSL_new(3) are not affected, except when SSL_clear(3) is being called, as described below.

SSL_CTX_get_ssl_method() returns the SSL_METHOD which was used to construct the SSL_CTX.

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 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.

`SSL_CTX_set_version()` has unusual semantics and no clear use case; it would usually be preferable to create a new `SSL_CTX` object than to try to reuse an existing one in this fashion. Its usage is considered deprecated.

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.

`SSL_CTX_get_ssl_method()` and `SSL_get_ssl_method()` always return non-NULL pointers.

SEE ALSO

`SSL_CTX_new(3)`, `SSL_new(3)`, `SSL_clear(3)`, `ssl(7)`,

`SSL_set_connect_state(3)`

HISTORY

`SSL_CTX_set_ssl_version()` was deprecated in OpenSSL 3.0.

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