NAME

SSL_CTX_set_min_proto_version, SSL_CTX_set_max_proto_version,
SSL_CTX_get_min_proto_version, SSL_CTX_get_max_proto_version, SSL_set_min_proto_version,
SSL_set_max_proto_version, SSL_get_min_proto_version, SSL_get_max_proto_version - Get and set
minimum and maximum supported protocol version

SYNOPSIS

#include <openssl/ssl.h>

int SSL_CTX_set_min_proto_version(SSL_CTX *ctx, int version);
int SSL_CTX_set_max_proto_version(SSL_CTX *ctx, int version);
int SSL_CTX_get_min_proto_version(SSL_CTX *ctx);
int SSL_CTX_get_max_proto_version(SSL_CTX *ctx);

int SSL_set_min_proto_version(SSL *ssl, int version);
int SSL_set_max_proto_version(SSL *ssl, int version);
int SSL_get_min_proto_version(SSL *ssl);
int SSL_get_max_proto_version(SSL *ssl);

DESCRIPTION

The functions get or set the minimum and maximum supported protocol versions for the **ctx** or **ssl**.
This works in combination with the options set via **SSL_CTX_set_options**(3) that also make it possible
to disable specific protocol versions. Use these functions instead of disabling specific protocol
versions.

Setting the minimum or maximum version to 0, will enable protocol versions down to the lowest
version, or up to the highest version supported by the library, respectively.

Getters return 0 in case **ctx** or **ssl** have been configured to automatically use the lowest or highest
version supported by the library.

Currently supported versions are **SSL3_VERSION**, **TLS1_VERSION**, **TLS1_1_VERSION**,
TLS1_2_VERSION, **TLS1_3_VERSION** for TLS and **DTLS1_VERSION**, **DTLS1_2_VERSION** for
DTLS.

RETURN VALUES

These setter functions return 1 on success and 0 on failure. The getter functions return the configured
version or 0 for auto-configuration of lowest or highest protocol, respectively.

NOTES

All these functions are implemented using macros.

SEE ALSO

ssl(7), **SSL_CTX_set_options**(3), **SSL_CONF_cmd**(3)

HISTORY

The setter functions were added in OpenSSL 1.1.0. The getter functions were added in OpenSSL 1.1.1.

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