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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'SSL\_set\_min\_proto\_version.3ossl' command**

**`$ man SSL_set_min_proto_version.3ossl`**

`SSL_CTX_SET_MIN_PROTO_VERSION(3ossl)OpenSSSSL_CTX_SET_MIN_PROTO_VERSION(3ossl)`

### 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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3.0.7                    2023-07-SSL\_CTX\_SET\_MIN\_PROTO\_VERSION(3ossl)