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## Red Hat Enterprise Linux Release 9.2 Manual Pages on 'SSL\_SESSION\_get\_protocol\_version.3ossl' command

```
$ man SSL_SESSION_get_protocol_version.3ossl
```

```
SSL_SESSION_GET_PROTOCOL_VERSION(3ossl)
```

### NAME

SSL\_SESSION\_get\_protocol\_version, SSL\_SESSION\_set\_protocol\_version -  
get and set the session protocol version

### SYNOPSIS

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

```
int SSL_SESSION_get_protocol_version(const SSL_SESSION *s);
```

```
int SSL_SESSION_set_protocol_version(SSL_SESSION *s, int version);
```

### DESCRIPTION

SSL\_SESSION\_get\_protocol\_version() returns the protocol version number used by session s.

SSL\_SESSION\_set\_protocol\_version() sets the protocol version associated with the SSL\_SESSION object s to the value version. This value should be a version constant such as TLS1\_3\_VERSION etc. For example, this could be used to set up a session based PSK (see SSL\_CTX\_set\_psk\_use\_session\_callback(3)).

### RETURN VALUES

SSL\_SESSION\_get\_protocol\_version() returns a number indicating the protocol version used for the session; this number matches the constants e.g. TLS1\_VERSION, TLS1\_2\_VERSION or TLS1\_3\_VERSION.

Note that the SSL\_SESSION\_get\_protocol\_version() function does not perform a null check on the provided session s pointer.

SSL\_SESSION\_set\_protocol\_version() returns 1 on success or 0 on failure.

## SEE ALSO

ssl(7), SSL\_CTX\_set\_psk\_use\_session\_callback(3)

## HISTORY

The SSL\_SESSION\_get\_protocol\_version() function was added in OpenSSL 1.1.0. The SSL\_SESSION\_set\_protocol\_version() function was added in OpenSSL 1.1.1.

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