

**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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SSL\_SESSION\_GET\_PROTOCOL\_VERSION(3ossl)

OpenSSL

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