

**NAME**

SSL\_SESSION\_get\_id, SSL\_SESSION\_set1\_id - get and set the SSL session ID

**SYNOPSIS**

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

```
const unsigned char *SSL_SESSION_get_id(const SSL_SESSION *s,  
                                         unsigned int *len);  
int SSL_SESSION_set1_id(SSL_SESSION *s, const unsigned char *sid,  
                        unsigned int sid_len);
```

**DESCRIPTION**

**SSL\_SESSION\_get\_id()** returns a pointer to the internal session id value for the session **s**. The length of the id in bytes is stored in **\*len**. The length may be 0. The caller should not free the returned pointer directly.

**SSL\_SESSION\_set1\_id()** sets the session ID for the **ssl** SSL/TLS session to **sid** of length **sid\_len**.

**RETURN VALUES**

**SSL\_SESSION\_get\_id()** returns a pointer to the session id value. **SSL\_SESSION\_set1\_id()** returns 1 for success and 0 for failure, for example if the supplied session ID length exceeds **SSL\_MAX\_SSL\_SESSION\_ID\_LENGTH**.

**SEE ALSO**

ssl(7)

**HISTORY**

The **SSL\_SESSION\_set1\_id()** function was added in OpenSSL 1.1.0.

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