

NAME

SSL_SESSION_get0_cipher, SSL_SESSION_set_cipher - set and retrieve the SSL cipher associated with a session

SYNOPSIS

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

```
const SSL_CIPHER *SSL_SESSION_get0_cipher(const SSL_SESSION *s);  
int SSL_SESSION_set_cipher(SSL_SESSION *s, const SSL_CIPHER *cipher);
```

DESCRIPTION

SSL_SESSION_get0_cipher() retrieves the cipher that was used by the connection when the session was created, or NULL if it cannot be determined.

The value returned is a pointer to an object maintained within **s** and should not be released.

SSL_SESSION_set_cipher() can be used to set the ciphersuite associated with the **SSL_SESSION s** to **cipher**. 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_get0_cipher() returns the **SSL_CIPHER** associated with the **SSL_SESSION** or NULL if it cannot be determined.

SSL_SESSION_set_cipher() returns 1 on success or 0 on failure.

SEE ALSO

ssl(7), **d2i_SSL_SESSION(3)**, **SSL_SESSION_get_time(3)**, **SSL_SESSION_get0_hostname(3)**, **SSL_SESSION_free(3)**, **SSL_CTX_set_psk_use_session_callback(3)**

HISTORY

The **SSL_SESSION_get0_cipher()** function was added in OpenSSL 1.1.0. The **SSL_SESSION_set_cipher()** function was added in OpenSSL 1.1.1.

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