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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'SSL\_SESSION\_get0\_cipher.3ossl' command**

```
$ man SSL_SESSION_get0_cipher.3ossl
```

```
SSL_SESSION_GET0_CIPHER(3ossl)  OpenSSL  SSL_SESSION_GET0_CIPHER(3ossl)
```

### 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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