

NAME

SSL_get_current_cipher, SSL_get_cipher_name, SSL_get_cipher, SSL_get_cipher_bits,
SSL_get_cipher_version - get SSL_CIPHER of a connection

SYNOPSIS

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

SSL_CIPHER *SSL_get_current_cipher(const SSL *ssl);

const char *SSL_get_cipher_name(const SSL *s);
const char *SSL_get_cipher(const SSL *s);
int SSL_get_cipher_bits(const SSL *s, int *np) \
const char *SSL_get_cipher_version(const SSL *s);
```

DESCRIPTION

SSL_get_current_cipher() returns a pointer to an SSL_CIPHER object containing the description of the actually used cipher of a connection established with the **ssl** object. See [SSL_CIPHER_get_name\(3\)](#) for more details.

SSL_get_cipher_name() obtains the name of the currently used cipher. *SSL_get_cipher()* is identical to *SSL_get_cipher_name()*. *SSL_get_cipher_bits()* is a macro to obtain the number of secret/algorithm bits used and *SSL_get_cipher_version()* returns the protocol name.

RETURN VALUES

SSL_get_current_cipher() returns the cipher actually used, or NULL if no session has been established.

NOTES

These are implemented as macros.

SEE ALSO

[ssl\(3\)](#), [SSL_CIPHER_get_name\(3\)](#)

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