

**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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