

NAME

SSL_state_string, SSL_state_string_long – get textual description of state of an SSL object

SYNOPSIS

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

```
const char *SSL_state_string(const SSL *ssl);  
const char *SSL_state_string_long(const SSL *ssl);
```

DESCRIPTION

SSL_state_string() returns a 6 letter string indicating the current state of the SSL object **ssl**.

SSL_state_string_long() returns a string indicating the current state of the SSL object **ssl**.

NOTES

During its use, an SSL objects passes several states. The state is internally maintained. Querying the state information is not very informative before or when a connection has been established. It however can be of significant interest during the handshake.

When using nonblocking sockets, the function call performing the handshake may return with `SSL_ERROR_WANT_READ` or `SSL_ERROR_WANT_WRITE` condition, so that `SSL_state_string[_long]()` may be called.

For both blocking or nonblocking sockets, the details state information can be used within the `info_callback` function set with the **SSL_set_info_callback()** call.

RETURN VALUES

Detailed description of possible states to be included later.

SEE ALSO

[ssl\(7\)](#), [SSL_CTX_set_info_callback\(3\)](#)

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