



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'SSL_state_string.3ossl' command

\$ man SSL_state_string.3ossl

SSL_STATE_STRING(3ossl) OpenSSL SSL_STATE_STRING(3ossl)

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 an abbreviated string indicating the current state of the SSL object ssl. The returned NUL-terminated string contains 6 or fewer characters.

SSL_state_string_long() returns a descriptive 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)`

COPYRIGHT

Copyright 2001-2021 The OpenSSL Project Authors. All Rights Reserved.

Licensed under the Apache License 2.0 (the "License"). You may not use this file except in compliance with the License. You can obtain a copy in the file `LICENSE` in the source distribution or at <https://www.openssl.org/source/license.html>.

3.0.7 2023-07-13 `SSL_STATE_STRING(3ossl)`