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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'SSL\_state\_string\_long.3ossl'***

***\$ man SSL\_state\_string\_long.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 object 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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