

NAME

`SSL_rstate_string`, `SSL_rstate_string_long` - get textual description of state of an SSL object during read operation

SYNOPSIS

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

const char *SSL_rstate_string(SSL *ssl);
const char *SSL_rstate_string_long(SSL *ssl);
```

DESCRIPTION

`SSL_rstate_string()` returns a 2 letter string indicating the current read state of the SSL object `ssl`.

`SSL_rstate_string_long()` returns a string indicating the current read state of the SSL object `ssl`.

NOTES

When performing a read operation, the SSL/TLS engine must parse the record, consisting of header and body. When working in a blocking environment, `SSL_rstate_string[_long]()` should always return “RD”/“read done”.

This function should only seldom be needed in applications.

RETURN VALUES

`SSL_rstate_string()` and `SSL_rstate_string_long()` can return the following values:

“RH”/“read header”

The header of the record is being evaluated.

“RB”/“read body”

The body of the record is being evaluated.

“RD”/“read done”

The record has been completely processed.

“unknown”/“unknown”

The read state is unknown. This should never happen.

SEE ALSO

`ssl(3)`

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