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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'SSL\_free\_buffers.3ossl'***

***\$ man SSL\_free\_buffers.3ossl***

SSL\_ALLOC\_BUFFERS(3ossl)      OpenSSL      SSL\_ALLOC\_BUFFERS(3ossl)

#### NAME

SSL\_free\_buffers, SSL\_alloc\_buffers - manage SSL structure buffers

#### SYNOPSIS

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

int SSL_free_buffers(SSL *ssl);

int SSL_alloc_buffers(SSL *ssl);
```

#### DESCRIPTION

SSL\_free\_buffers() frees the read and write buffers of the given ssl.

SSL\_alloc\_buffers() allocates the read and write buffers of the given ssl.

The SSL\_MODE\_RELEASE\_BUFFERS mode releases read or write buffers whenever the buffers have been drained. These functions allow applications to manually control when buffers are freed and allocated. After freeing the buffers, the buffers are automatically reallocated upon a new read or write. The SSL\_alloc\_buffers() does not need to be called, but can be used to make sure the buffers are preallocated. This can be used to avoid allocation during data processing or with

CRYPTO\_set\_mem\_functions()) to control where and how buffers are allocated.

## RETURN VALUES

The following return values can occur:

### 0 (Failure)

The SSL\_free\_buffers() function returns 0 when there is pending data to be read or written. The SSL\_alloc\_buffers() function returns 0 when there is an allocation failure.

### 1 (Success)

The SSL\_free\_buffers() function returns 1 if the buffers have been freed. This value is also returned if the buffers had been freed before calling SSL\_free\_buffers(). The SSL\_alloc\_buffers() function returns 1 if the buffers have been allocated. This value is also returned if the buffers had been allocated before calling SSL\_alloc\_buffers().

## SEE ALSO

ssl(7), SSL\_free(3), SSL\_clear(3), SSL\_new(3), SSL\_CTX\_set\_mode(3), CRYPTO\_set\_mem\_functions(3)

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