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

$ 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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