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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'SSL\_free.3ossl' command***

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

SSL\_FREE(3ossl)            OpenSSL            SSL\_FREE(3ossl)

### NAME

SSL\_free - free an allocated SSL structure

### SYNOPSIS

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

```
void SSL_free(SSL *ssl);
```

### DESCRIPTION

SSL\_free() decrements the reference count of ssl, and removes the SSL structure pointed to by ssl and frees up the allocated memory if the reference count has reached 0. If ssl is NULL nothing is done.

### NOTES

SSL\_free() also calls the free()ing procedures for indirectly affected items, if applicable: the buffering BIO, the read and write BIOs, cipher lists specially created for this ssl, the SSL\_SESSION. Do not explicitly free these indirectly freed up items before or after calling SSL\_free(), as trying to free things twice may lead to program failure.

The ssl session has reference counts from two users: the SSL object,

for which the reference count is removed by `SSL_free()` and the internal session cache. If the session is considered bad, because `SSL_shutdown(3)` was not called for the connection and `SSL_set_shutdown(3)` was not used to set the `SSL_SENT_SHUTDOWN` state, the session will also be removed from the session cache as required by RFC2246.

## RETURN VALUES

`SSL_free()` does not provide diagnostic information.

`SSL_new(3)`, `SSL_clear(3)`, `SSL_shutdown(3)`, `SSL_set_shutdown(3)`, `ssl(7)`

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