

**NAME**

SSL\_CTX\_free - free an allocated SSL\_CTX object

**SYNOPSIS**

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

void SSL_CTX_free(SSL_CTX *ctx);
```

**DESCRIPTION**

*SSL\_CTX\_free()* decrements the reference count of **ctx**, and removes the SSL\_CTX object pointed to by **ctx** and frees up the allocated memory if the reference count has reached 0.

It also calls the *free()*ing procedures for indirectly affected items, if applicable: the session cache, the list of ciphers, the list of Client CAs, the certificates and keys.

If **ctx** is NULL nothing is done.

**WARNINGS**

If a session-remove callback is set (*SSL\_CTX\_sess\_set\_remove\_cb()*), this callback will be called for each session being freed from **ctx**'s session cache. This implies, that all corresponding sessions from an external session cache are removed as well. If this is not desired, the user should explicitly unset the callback by calling *SSL\_CTX\_sess\_set\_remove\_cb(ctx, NULL)* prior to calling *SSL\_CTX\_free()*.

**RETURN VALUES**

*SSL\_CTX\_free()* does not provide diagnostic information.

**SEE ALSO**

[SSL\\_CTX\\_new\(3\)](#), [ssl\(3\)](#), [SSL\\_CTX\\_sess\\_set\\_get\\_cb\(3\)](#)

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