

NAME

ERR_remove_thread_state, ERR_remove_state - free a thread's error queue

SYNOPSIS

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

```
void ERR_remove_thread_state(const CRYPTO_THREADID *tid);
```

Deprecated:

```
void ERR_remove_state(unsigned long pid);
```

DESCRIPTION

ERR_remove_thread_state() frees the error queue associated with thread **tid**. If **tid == NULL**, the current thread will have its error queue removed.

Since error queue data structures are allocated automatically for new threads, they must be freed when threads are terminated in order to avoid memory leaks.

ERR_remove_state is deprecated and has been replaced by *ERR_remove_thread_state*. Since threads in OpenSSL are no longer identified by unsigned long values any argument to this function is ignored. Calling *ERR_remove_state* is equivalent to **ERR_remove_thread_state(NULL)**.

RETURN VALUE

ERR_remove_thread_state and *ERR_remove_state()* return no value.

SEE ALSO

[err\(3\)](#)

HISTORY

ERR_remove_state() is available in all versions of SSLeay and OpenSSL. It was deprecated in OpenSSL 1.0.0 when *ERR_remove_thread_state* was introduced and thread IDs were introduced to identify threads instead of 'unsigned long'.