

NAME

SSL_CTX_set_quiet_shutdown, SSL_CTX_get_quiet_shutdown, SSL_set_quiet_shutdown,
 SSL_get_quiet_shutdown - manipulate shutdown behaviour

SYNOPSIS

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

void SSL_CTX_set_quiet_shutdown(SSL_CTX *ctx, int mode);
int SSL_CTX_get_quiet_shutdown(const SSL_CTX *ctx);

void SSL_set_quiet_shutdown(SSL *ssl, int mode);
int SSL_get_quiet_shutdown(const SSL *ssl);
```

DESCRIPTION

SSL_CTX_set_quiet_shutdown() sets the “quiet shutdown” flag for **ctx** to be **mode**. SSL objects created from **ctx** inherit the **mode** valid at the time *SSL_new(3)* is called. **mode** may be 0 or 1.

SSL_CTX_get_quiet_shutdown() returns the “quiet shutdown” setting of **ctx**.

SSL_set_quiet_shutdown() sets the “quiet shutdown” flag for **ssl** to be **mode**. The setting stays valid until **ssl** is removed with *SSL_free(3)* or *SSL_set_quiet_shutdown()* is called again. It is not changed when *SSL_clear(3)* is called. **mode** may be 0 or 1.

SSL_get_quiet_shutdown() returns the “quiet shutdown” setting of **ssl**.

NOTES

Normally when a SSL connection is finished, the parties must send out “close notify” alert messages using *SSL_shutdown(3)* for a clean shutdown.

When setting the “quiet shutdown” flag to 1, *SSL_shutdown(3)* will set the internal flags to SSL_SENT_SHUTDOWN|SSL_RECEIVED_SHUTDOWN. (*SSL_shutdown(3)* then behaves like *SSL_set_shutdown(3)* called with SSL_SENT_SHUTDOWN|SSL_RECEIVED_SHUTDOWN.) The session is thus considered to be shutdown, but no “close notify” alert is sent to the peer. This behaviour violates the TLS standard.

The default is normal shutdown behaviour as described by the TLS standard.

RETURN VALUES

SSL_CTX_set_quiet_shutdown() and *SSL_set_quiet_shutdown()* do not return diagnostic information.

SSL_CTX_get_quiet_shutdown() and *SSL_get_quiet_shutdown* return the current setting.

SEE ALSO

ssl(3), *SSL_shutdown(3)*, *SSL_set_shutdown(3)*, *SSL_new(3)*, *SSL_clear(3)*, *SSL_free(3)*

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