

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.

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

SEE ALSO

ssl(7), **SSL_shutdown(3)**, **SSL_set_shutdown(3)**, **SSL_new(3)**, **SSL_clear(3)**, **SSL_free(3)**

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