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Rocky Enterprise Linux 9.2 Manual Pages on command 'SSL_set_quiet_shutdown.3ossl'

\$ man SSL_set_quiet_shutdown.3ossl

SSL_CTX_SET_QUIET_SHUTDOWN(3ossl) OpenSSL SSL_CTX_SET_QUIET_SHUTDOWN(3ossl)

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

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3.0.7 2023-07-13 `SSL_CTX_SET_QUIET_SHUTDOWN(3ossl)`