

**NAME**

SSL\_CONF\_CTX\_set\_flags, SSL\_CONF\_CTX\_clear\_flags - Set or clear SSL configuration context flags

**SYNOPSIS**

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

```
unsigned int SSL_CONF_CTX_set_flags(SSL_CONF_CTX *cctx, unsigned int flags);  
unsigned int SSL_CONF_CTX_clear_flags(SSL_CONF_CTX *cctx, unsigned int flags);
```

**DESCRIPTION**

The function **SSL\_CONF\_CTX\_set\_flags()** sets **flags** in the context **cctx**.

The function **SSL\_CONF\_CTX\_clear\_flags()** clears **flags** in the context **cctx**.

**NOTES**

The flags set affect how subsequent calls to **SSL\_CONF\_cmd()** or **SSL\_CONF\_argv()** behave.

Currently the following **flags** values are recognised:

**SSL\_CONF\_FLAG\_CMDLINE**, **SSL\_CONF\_FLAG\_FILE**

recognise options intended for command line or configuration file use. At least one of these flags must be set.

**SSL\_CONF\_FLAG\_CLIENT**, **SSL\_CONF\_FLAG\_SERVER**

recognise options intended for use in SSL/TLS clients or servers. One or both of these flags must be set.

**SSL\_CONF\_FLAG\_CERTIFICATE**

recognise certificate and private key options.

**SSL\_CONF\_FLAG\_REQUIRE\_PRIVATE**

If this option is set then if a private key is not specified for a certificate it will attempt to load a private key from the certificate file when **SSL\_CONF\_CTX\_finish()** is called. If a key cannot be loaded from the certificate file an error occurs.

**SSL\_CONF\_FLAG\_SHOW\_ERRORS**

indicate errors relating to unrecognised options or missing arguments in the error queue. If this option isn't set such errors are only reflected in the return values of **SSL\_CONF\_set\_cmd()** or **SSL\_CONF\_set\_argv()**

**RETURN VALUES**

**SSL\_CONF\_CTX\_set\_flags()** and **SSL\_CONF\_CTX\_clear\_flags()** returns the new flags value after setting or clearing flags.

**SEE ALSO**

**ssl(7)**, **SSL\_CONF\_CTX\_new(3)**, **SSL\_CONF\_CTX\_set\_ssl\_ctx(3)**,  
**SSL\_CONF\_CTX\_set1\_prefix(3)**, **SSL\_CONF\_cmd(3)**, **SSL\_CONF\_cmd\_argv(3)**

**HISTORY**

These functions were added in OpenSSL 1.0.2.

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