

NAME

openssl-env – OpenSSL environment variables

DESCRIPTION

The OpenSSL libraries use environment variables to override the compiled-in default paths for various data. To avoid security risks, the environment is usually not consulted when the executable is set-user-ID or set-group-ID.

CTLOG_FILE

Specifies the path to a certificate transparency log list. See **CTLOG_STORE_new**(3).

OPENSSL

Specifies the path to the **openssl** executable. Used by the **rehash** script (see “Script Configuration” in **openssl-rehash**(1)) and by the **CA.pl** script (see “NOTES” in **CA.pl**(1)).

OPENSSL_CONF, OPENSSL_CONF_INCLUDE

Specifies the path to a configuration file and the directory for included files. See **config**(5).

OPENSSL_CONFIG

Specifies a configuration option and filename for the **req** and **ca** commands invoked by the **CA.pl** script. See **CA.pl**(1).

OPENSSL_ENGINES

Specifies the directory from which dynamic engines are loaded. See **openssl-engine**(1).

OPENSSL_MALLOC_FD, OPENSSL_MALLOC_FAILURES

If built with debugging, this allows memory allocation to fail. See **OPENSSL_malloc**(3).

OPENSSL_MODULES

Specifies the directory from which cryptographic providers are loaded. Equivalently, the generic **-provider-path** command-line option may be used.

OPENSSL_WIN32_UTF8

If set, then **UI_OpenSSL**(3) returns UTF-8 encoded strings, rather than ones encoded in the current code page, and the **openssl**(1) program also transcodes the command-line parameters from the current code page to UTF-8. This environment variable is only checked on Microsoft Windows platforms.

RANDFILE

The state file for the random number generator. This should not be needed in normal use. See **RAND_load_file**(3).

SSL_CERT_DIR, SSL_CERT_FILE

Specify the default directory or file containing CA certificates. See **SSL_CTX_load_verify_locations**(3).

TSGET

Additional arguments for the **tsget**(1) command.

OPENSSL_ia32cap, OPENSSL_sparcv9cap, OPENSSL_ppccap, OPENSSL_armcap, OPENSSL_s390xcap

OpenSSL supports a number of different algorithm implementations for various machines and, by default, it determines which to use based on the processor capabilities and run time feature enquiry. These environment variables can be used to exert more control over this selection process. See **OPENSSL_ia32cap**(3), **OPENSSL_s390xcap**(3).

NO_PROXY, HTTPS_PROXY, HTTP_PROXY

Specify a proxy hostname. See **OSSL_HTTP_parse_url**(3).

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