Mac OS Native SSL: Secure Communication

Version 9.4.0.5

November 14, 2026

```
(require net/osx-ssl)
```
package: base

The net/osx-ssl module offers a fraction of the functionality of openssl and works only on Mac OS, but it has the advantage that it works before OpenSSL libraries are installed.

Added in version 6.3.0.12 of package base.

```
(osx-ssl-connect  hostname
                  port-no
                 [client-protocol])
 → input-port?
   (and/c output-port? osx-ssl-output-port?)
  hostname : string?
  port-no : (integer-in 1 65535)
  client-protocol : (or/c 'secure 'auto
                          'sslv2-or-v3 'sslv2 'sslv3 'tls 'tls11 'tls12)
                  = 'auto
```

Like ssl-connect, but without support for client contexts.

```
(osx-ssl-abandon-port in) → void?
  in : osx-ssl-output-port?
```

Analogous to ssl-abandon-port.

```
(osx-ssl-output-port? v) → boolean?
  v : any/c
```

Returns #t of v is an SSL output port produced by osx-ssl-connect.

```
(osx-old-openssl?) → boolean?
```

Returns `#t` if the OpenSSL library currently accessed by `openssl` is too old, in which case `osx-ssl-connect` should be preferred.