Windows Native SSL: Secure Communication

Version 9.0.0.1

October 20, 2025

```
(require net/win32-ssl) package: base
```

The net/win32-ssl module offers a fraction of the functionality of openssl and works only on Windows, but it has the advantage that it works before OpenSSL libraries are installed.

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

```
(win32-ssl-abandon-port in) → void?
in : (and/c win32-ssl-port? output-port?)
```

Analogous to ssl-abandon-port.

Analogous to ports->ssl-ports.

If hostname verification is enabled via 'secure, the peer server's certificate is checked against hostname.

Changed in version 6.3.0.12 of package base: Added the #:hostname argument.

```
(win32-ssl-port? v) → boolean?
v : any/c
```

Returns #t of v is an SSL port produced by win32-ssl-connect or ports->win32-ssl-ports.

```
win32-ssl-available? : boolean?
```

A boolean value that reports whether the Windows native SSL library was successfully loaded. Calling win32-ssl-connect, etc. when this value is #f will raise an exception.