

NAME

`SSL_library_init`, `OpenSSL_add_ssl_algorithms` - initialize SSL library by registering algorithms

SYNOPSIS

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

int SSL_library_init(void);

int OpenSSL_add_ssl_algorithms(void);
```

DESCRIPTION

`SSL_library_init()` registers the available SSL/TLS ciphers and digests.

`OpenSSL_add_ssl_algorithms()` is a synonym for `SSL_library_init()` and is implemented as a macro.

NOTES

`SSL_library_init()` must be called before any other action takes place. `SSL_library_init()` is not reentrant.

WARNING

`SSL_library_init()` adds ciphers and digests used directly and indirectly by SSL/TLS.

RETURN VALUES

`SSL_library_init()` always returns “1”, so it is safe to discard the return value.

SEE ALSO

[ssl\(7\)](#), [RAND_add\(3\)](#)

HISTORY

The `SSL_library_init()` and `OpenSSL_add_ssl_algorithms()` functions were deprecated in OpenSSL 1.1.0 by `OPENSSL_init_ssl()`.

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