

**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.

**WARNINGS**

**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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