

**NAME**

d2i\_SSL\_SESSION, i2d\_SSL\_SESSION - convert SSL\_SESSION object from/to ASN1 representation

**SYNOPSIS**

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

```
SSL_SESSION *d2i_SSL_SESSION(SSL_SESSION **a, const unsigned char **pp,  
                             long length);  
int i2d_SSL_SESSION(SSL_SESSION *in, unsigned char **pp);
```

**DESCRIPTION**

These functions decode and encode an SSL\_SESSION object. For encoding details see **d2i\_X509(3)**.

SSL\_SESSION objects keep internal link information about the session cache list, when being inserted into one SSL\_CTX object's session cache. One SSL\_SESSION object, regardless of its reference count, must therefore only be used with one SSL\_CTX object (and the SSL objects created from this SSL\_CTX object).

**RETURN VALUES**

**d2i\_SSL\_SESSION()** returns a pointer to the newly allocated SSL\_SESSION object. In case of failure the NULL-pointer is returned and the error message can be retrieved from the error stack.

**i2d\_SSL\_SESSION()** returns the size of the ASN1 representation in bytes. When the session is not valid, **0** is returned and no operation is performed.

**SEE ALSO**

ssl(7), SSL\_SESSION\_free(3), SSL\_CTX\_sess\_set\_get\_cb(3), **d2i\_X509(3)**

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