



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'i2d_SSL_SESSION.3ossl' command

```
$ man i2d_SSL_SESSION.3ossl
```

```
D2I_SSL_SESSION(3ossl)      OpenSSL      D2I_SSL_SESSION(3ossl)
```

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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