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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'd2i\_SSL\_SESSION.3ossl'***

***\$ man d2i\_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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