



Full credit is given to the above companies including the OS that this PDF file was generated!

Rocky Enterprise Linux 9.2 Manual Pages on command 'X509_get_serialNumber.3ossl'

\$ man X509_get_serialNumber.3ossl

X509_GET_SERIALNUMBER(3ossl) OpenSSL X509_GET_SERIALNUMBER(3ossl)

NAME

X509_get_serialNumber, X509_get0_serialNumber, X509_set_serialNumber -
get or set certificate serial number

SYNOPSIS

```
#include <openssl/x509.h>
```

```
ASN1_INTEGER *X509_get_serialNumber(X509 *x);
```

```
const ASN1_INTEGER *X509_get0_serialNumber(const X509 *x);
```

```
int X509_set_serialNumber(X509 *x, ASN1_INTEGER *serial);
```

DESCRIPTION

X509_get_serialNumber() returns the serial number of certificate x as an ASN1_INTEGER structure which can be examined or initialised. The value returned is an internal pointer which MUST NOT be freed up after the call.

X509_get0_serialNumber() is the same as X509_get_serialNumber() except it accepts a const parameter and returns a const result.

X509_set_serialNumber() sets the serial number of certificate x to serial. A copy of the serial number is used internally so serial should be freed up after use.

RETURN VALUES

X509_get_serialNumber() and X509_get0_serialNumber() return an ASN1_INTEGER structure.

X509_set_serialNumber() returns 1 for success and 0 for failure.

SEE ALSO

d2i_X509(3), ERR_get_error(3), X509_CRL_get0_by_serial(3),
X509_get0_signature(3), X509_get_ext_d2i(3),
X509_get_extension_flags(3), X509_get_pubkey(3),
X509_get_subject_name(3), X509_NAME_add_entry_by_txt(3),
X509_NAME_ENTRY_get_object(3), X509_NAME_get_index_by_NID(3),
X509_NAME_print_ex(3), X509_new(3), X509_sign(3), X509V3_get_d2i(3),
X509_verify_cert(3)

HISTORY

The X509_get_serialNumber() and X509_set_serialNumber() functions are available in all versions of OpenSSL. The X509_get0_serialNumber() function was added in OpenSSL 1.1.0.

COPYRIGHT

Copyright 2016 The OpenSSL Project Authors. All Rights Reserved.

Licensed under the Apache License 2.0 (the "License"). You may not use this file except in compliance with the License. You can obtain a copy

in the file LICENSE in the source distribution or at
<<https://www.openssl.org/source/license.html>>.

3.0.7 2023-07-13 X509_GET_SERIALNUMBER(3ossl)