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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'X509_get_serialNumber.3oss1' command

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$ man X509_get_serialNumber.3oss1
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X509_GET_SERIALNUMBER(3oss1)  OpenSSL  X509_GET_SERIALNUMBER(3oss1)
```

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.

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