



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

Red Hat Enterprise Linux Release 9.2 Manual Pages on 'X509_NAME_ENTRY_create_by_NID.3oss!' command

\$ man X509_NAME_ENTRY_create_by_NID.3oss!

X509_NAME_ENTRY_GET_OBJECT(3oss!) OpenSSL X509_NAME_ENTRY_GET_OBJECT(3oss!)

NAME

X509_NAME_ENTRY_get_object, X509_NAME_ENTRY_get_data,
X509_NAME_ENTRY_set_object, X509_NAME_ENTRY_set_data,
X509_NAME_ENTRY_create_by_txt, X509_NAME_ENTRY_create_by_NID,
X509_NAME_ENTRY_create_by_OBJ - X509_NAME_ENTRY utility functions

SYNOPSIS

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

```
ASN1_OBJECT *X509_NAME_ENTRY_get_object(const X509_NAME_ENTRY *ne);
```

```
ASN1_STRING *X509_NAME_ENTRY_get_data(const X509_NAME_ENTRY *ne);
```

```
int X509_NAME_ENTRY_set_object(X509_NAME_ENTRY *ne, const ASN1_OBJECT *obj);
```

```
int X509_NAME_ENTRY_set_data(X509_NAME_ENTRY *ne, int type,  
                             const unsigned char *bytes, int len);
```

```
X509_NAME_ENTRY *X509_NAME_ENTRY_create_by_txt(X509_NAME_ENTRY **ne, const char *field,  
                                                int type, const unsigned char *bytes,  
                                                int len);
```

```
X509_NAME_ENTRY *X509_NAME_ENTRY_create_by_NID(X509_NAME_ENTRY **ne, int nid,  
                                                int type, const unsigned char *bytes,
```

```
int len);
```

```
X509_NAME_ENTRY *X509_NAME_ENTRY_create_by_OBJ(X509_NAME_ENTRY **ne,  
const ASN1_OBJECT *obj, int type,  
const unsigned char *bytes, int len);
```

DESCRIPTION

X509_NAME_ENTRY_get_object() retrieves the field name of ne in and ASN1_OBJECT structure.

X509_NAME_ENTRY_get_data() retrieves the field value of ne in and ASN1_STRING structure.

X509_NAME_ENTRY_set_object() sets the field name of ne to obj.

X509_NAME_ENTRY_set_data() sets the field value of ne to string type and value determined by bytes and len.

X509_NAME_ENTRY_create_by_txt(), X509_NAME_ENTRY_create_by_NID() and X509_NAME_ENTRY_create_by_OBJ() create and return an X509_NAME_ENTRY structure.

NOTES

X509_NAME_ENTRY_get_object() and X509_NAME_ENTRY_get_data() can be used to examine an X509_NAME_ENTRY function as returned by X509_NAME_get_entry() for example.

X509_NAME_ENTRY_create_by_txt(), X509_NAME_ENTRY_create_by_OBJ(), X509_NAME_ENTRY_create_by_NID() and X509_NAME_ENTRY_set_data() are seldom used in practice because X509_NAME_ENTRY structures are almost always part of X509_NAME structures and the corresponding X509_NAME functions are typically used to create and add new entries in a single operation.

The arguments of these functions support similar options to the similarly named ones of the corresponding X509_NAME functions such as X509_NAME_add_entry_by_txt(). So for example type can be set to MBSTRING_ASC but in the case of X509_set_data() the field name must be set first so the relevant field information can be looked up internally.

RETURN VALUES

X509_NAME_ENTRY_get_object() returns a valid ASN1_OBJECT structure if it is set or NULL if an error occurred.

X509_NAME_ENTRY_get_data() returns a valid ASN1_STRING structure if it is set or NULL if an error occurred.

X509_NAME_ENTRY_set_object() and X509_NAME_ENTRY_set_data() return 1 on success or 0 on error.

X509_NAME_ENTRY_create_by_txt(), X509_NAME_ENTRY_create_by_NID() and X509_NAME_ENTRY_create_by_OBJ() return a valid X509_NAME_ENTRY on success or NULL if an error occurred.

SEE ALSO

ERR_get_error(3), d2i_X509_NAME(3), OBJ_nid2obj(3)

COPYRIGHT

Copyright 2002-2018 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>.