

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

X509_NAME_ENTRY *X509_NAME_ENTRY_create_by_txt(X509_NAME_ENTRY **ne, const char
X509_NAME_ENTRY *X509_NAME_ENTRY_create_by_NID(X509_NAME_ENTRY **ne, int nid, in
X509_NAME_ENTRY *X509_NAME_ENTRY_create_by_OBJ(X509_NAME_ENTRY **ne, const ASN1_
```

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 **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_NID()`, and
`X509_NAME_ENTRY_create_by_OBJ()` create and return an

`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.

SEE ALSO

[ERR_get_error\(3\)](#), [d2i_X509_NAME\(3\)](#), [OBJ_nid2obj\(3\)](#)

COPYRIGHT

Copyright 2002-2016 The OpenSSL Project Authors. All Rights Reserved.

Licensed under the OpenSSL license (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>](https://www.openssl.org/source/license.html).