#### **NAME**

ASN1\_OBJECT\_new, ASN1\_OBJECT\_free - object allocation functions

#### **SYNOPSIS**

#include <openssl/asn1.h>

```
ASN1_OBJECT *ASN1_OBJECT_new(void); void ASN1_OBJECT_free(ASN1_OBJECT *a);
```

## DESCRIPTION

The **ASN1\_OBJECT** allocation routines, allocate and free an **ASN1\_OBJECT** structure, which represents an ASN1 OBJECT IDENTIFIER.

**OpenSSL** 

**ASN1\_OBJECT\_new()** allocates and initializes an **ASN1\_OBJECT** structure.

**ASN1\_OBJECT\_free()** frees up the **ASN1\_OBJECT** structure *a*. If *a* is NULL, nothing is done.

#### **NOTES**

Although **ASN1\_OBJECT\_new()** allocates a new **ASN1\_OBJECT** structure it is almost never used in applications. The ASN1 object utility functions such as **OBJ\_nid2obj()** are used instead.

# **RETURN VALUES**

If the allocation fails, **ASN1\_OBJECT\_new()** returns NULL and sets an error code that can be obtained by **ERR\_get\_error(3)**. Otherwise it returns a pointer to the newly allocated structure.

ASN1\_OBJECT\_free() returns no value.

## **SEE ALSO**

ERR\_get\_error(3), d2i\_ASN1\_OBJECT(3)

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