

**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.

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

*ASN1\_OBJECT\_free()* frees up the **ASN1\_OBJECT** structure **a**.

**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)*

**HISTORY**

*ASN1\_OBJECT\_new()* and *ASN1\_OBJECT\_free()* are available in all versions of SSLeay and OpenSSL.