

NAME

DSA_new, DSA_free - allocate and free DSA objects

SYNOPSIS

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

```
DSA* DSA_new(void);
```

```
void DSA_free(DSA *dsa);
```

DESCRIPTION

DSA_new() allocates and initializes a **DSA** structure. It is equivalent to calling *DSA_new_method(NULL)*.

DSA_free() frees the **DSA** structure and its components. The values are erased before the memory is returned to the system.

RETURN VALUES

If the allocation fails, *DSA_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.

DSA_free() returns no value.

SEE ALSO

[dsa\(3\)](#), [ERR_get_error\(3\)](#), [DSA_generate_parameters\(3\)](#), [DSA_generate_key\(3\)](#)

HISTORY

DSA_new() and *DSA_free()* are available in all versions of SSLeay and OpenSSL.