

NAME

DSA_new, DSA_free - allocate and free DSA objects

SYNOPSIS

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

The following functions have been deprecated since OpenSSL 3.0, and can be hidden entirely by defining **OPENSSL_API_COMPAT** with a suitable version value, see **openssl_user_macros(7)**:

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

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

DESCRIPTION

All of the functions described on this page are deprecated. Applications should instead use **EVP_PKEY_new(3)** and **EVP_PKEY_free(3)**.

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. If **dsa** is **NULL** nothing is done.

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

EVP_PKEY_new(3), **EVP_PKEY_free(3)**, **DSA_new(3)**, **ERR_get_error(3)**,
DSA_generate_parameters(3), **DSA_generate_key(3)**

HISTORY

All of these functions were deprecated in OpenSSL 3.0.

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