

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.

COPYRIGHT

Copyright 2000-2021 The OpenSSL Project Authors. All Rights Reserved.

Licensed under the Apache License 2.0 (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).