

**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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