

**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.