

NAME

DH_new, DH_free - allocate and free DH objects

SYNOPSIS

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

```
DH* DH_new(void);
```

```
void DH_free(DH *dh);
```

DESCRIPTION

DH_new() allocates and initializes a **DH** structure.

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

RETURN VALUES

If the allocation fails, *DH_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.

DH_free() returns no value.

SEE ALSO

[dh\(3\)](#), [ERR_get_error\(3\)](#), [DH_generate_parameters\(3\)](#), [DH_generate_key\(3\)](#)

HISTORY

DH_new() and *DH_free()* are available in all versions of SSLeay and OpenSSL.