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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'DH\_free.3ossl' command**

**\$ man DH\_free.3ossl**

DH\_NEW(3ossl)                      OpenSSL                      DH\_NEW(3ossl)

### NAME

DH\_new, DH\_free - allocate and free DH objects

### SYNOPSIS

```
#include <openssl/dh.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):

```
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. If dh is NULL nothing is done.

## 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_new(3)`, `ERR_get_error(3)`, `DH_generate_parameters(3)`,  
`DH_generate_key(3)`, `EVP_PKEY-DH(7)`

## HISTORY

All of these functions were deprecated in OpenSSL 3.0.

For replacement see `EVP_PKEY-DH(7)`.

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