



*Full credit is given to the above companies including the OS that this PDF file was generated!*

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

**\$ man DH\_new.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)`.

## COPYRIGHT

Copyright 2000-2022 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>.