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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'DH_new_by_nid.3oss1' command

\$ man DH_new_by_nid.3oss1

DH_NEW_BY_NID(3oss1) OpenSSL DH_NEW_BY_NID(3oss1)

NAME

DH_new_by_nid, DH_get_nid - create or get DH named parameters

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_by_nid(int nid);
```

```
int DH_get_nid(const DH *dh);
```

DESCRIPTION

DH_new_by_nid() creates and returns a DH structure containing named parameters nid. Currently nid must be NID_ffdhe2048, NID_ffdhe3072, NID_ffdhe4096, NID_ffdhe6144, NID_ffdhe8192, NID_modp_1536, NID_modp_2048, NID_modp_3072, NID_modp_4096, NID_modp_6144 or NID_modp_8192.

DH_get_nid() determines if the parameters contained in dh match any named safe prime group. It returns the NID corresponding to the matching parameters or NID_undef if there is no match. This function is deprecated.

RETURN VALUES

DH_new_by_nid() returns a set of DH parameters or NULL if an error occurred.

DH_get_nid() returns the NID of the matching set of parameters for p and g and optionally q, otherwise it returns NID_undef if there is no match.

HISTORY

All of these functions were deprecated in OpenSSL 3.0.

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