NAME

DSA_dup_DH − create a DH structure out of DSA structure

SYNOPSIS

```
#include <openssl/dsa.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 *DSA_dup_DH(const DSA *r);
```

DESCRIPTION

The function described on this page is deprecated. There is no direct replacement, applications should use the EVP_PKEY APIs for Diffie−Hellman operations.

DSA_dup_DH() duplicates DSA parameters/keys as DH parameters/keys. q is lost during that conversion, but the resulting DH parameters contain its length.

RETURN VALUES

DSA_dup_DH() returns the new **DH** structure, and NULL on error. The error codes can be obtained by **ERR_get_error**(3).

NOTE

Be careful to avoid small subgroup attacks when using this.

SEE ALSO

DH_new(3), **DSA_new**(3), **ERR_get_error**(3)

HISTORY

This function was deprecated in OpenSSL 3.0.

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