

**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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