

**NAME**

gnutls\_dh\_params\_export2\_pkcs3 - API function

**SYNOPSIS**

```
#include <gnutls/gnutls.h>
```

```
int gnutls_dh_params_export2_pkcs3(gnutls_dh_params_t params, gnutls_x509_cert_fmt_t format,  
gnutls_datum_t * out);
```

**ARGUMENTS**

gnutls\_dh\_params\_t *params*

Holds the DH parameters

gnutls\_x509\_cert\_fmt\_t *format*

the format of output params. One of PEM or DER.

gnutls\_datum\_t \* *out*

will contain a PKCS3 DHParams structure PEM or DER encoded

**DESCRIPTION**

This function will export the given dh parameters to a PKCS3 DHParams structure. This is the format generated by "openssl dhparam" tool. The data in *out* will be allocated using **gnutls\_malloc()**.

If the structure is PEM encoded, it will have a header of "BEGIN DH PARAMETERS".

**RETURNS**

On success, **GNUTLS\_E\_SUCCESS** (0) is returned, otherwise a negative error code is returned.

**SINCE**

3.1.3

**REPORTING BUGS**

Report bugs to <bugs@gnutls.org>.

Home page: <https://www.gnutls.org>

**COPYRIGHT**

Copyright (C) 2001- Free Software Foundation, Inc., and others.

Copying and distribution of this file, with or without modification, are permitted in any medium without royalty provided the copyright notice and this notice are preserved.

**SEE ALSO**

The full documentation for **gnutls** is maintained as a Texinfo manual. If the /usr/local/share/doc/gnutls/ directory does not contain the HTML form visit

<https://www.gnutls.org/manual/>