

NAME

gnutls_dh_params_export_pkcs3 - API function

SYNOPSIS

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

```
int gnutls_dh_params_export_pkcs3(gnutls_dh_params_t params, gnutls_x509_cert_fmt_t format,  
unsigned char * params_data, size_t * params_data_size);
```

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.

unsigned char * params_data

will contain a PKCS3 DHParams structure PEM or DER encoded

size_t * params_data_size

holds the size of params_data (and will be replaced by the actual size of parameters)

DESCRIPTION

This function will export the given dh parameters to a PKCS3 DHParams structure. This is the format generated by "openssl dhparam" tool. If the buffer provided is not long enough to hold the output, then GNUTLS_E_SHORT_MEMORY_BUFFER will be returned.

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.

REPORTING BUGS

Report bugs to <bugs@gnutls.org>.

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

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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/>