NAME

gnutls_x509_privkey_export2 - API function

SYNOPSIS

#include <gnutls/x509.h>

int gnutls_x509_privkey_export2(gnutls_x509_privkey_t *key***, gnutls_x509_crt_fmt_t** *format***, gnutls_datum_t *** *out***);**

ARGUMENTS

gnutls_x509_privkey_t key
> Holds the key

gnutls_x509_crt_fmt_t format
> the format of output params. One of PEM or DER.

gnutls_datum_t * out
> will contain a private key PEM or DER encoded

DESCRIPTION

This function will export the private key to a PKCS**1** structure for RSA or RSA-PSS keys, and integer sequence for DSA keys. Other keys types will be exported in PKCS**8** form.

The output buffer is allocated using **gnutls_malloc**().

It is recommended to use **gnutls_x509_privkey_export2_pkcs8()** instead of this function, when a consistent output format is required.

RETURNS

On success, **GNUTLS_E_SUCCESS** (0) is returned, otherwise a negative error value.

Since 3.1.3

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/