

NAME

gnutls_x509_privkey_export - API function

SYNOPSIS

```
#include <gnutls/x509.h>
```

```
int gnutls_x509_privkey_export(gnutls_x509_privkey_t key, gnutls_x509_crt_fmt_t format, void *  
output_data, size_t * output_data_size);
```

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.

void * output_data

will contain a private key PEM or DER encoded

size_t * output_data_size

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

DESCRIPTION

This function will export the private key to a PKCS1 structure for RSA or RSA-PSS keys, and integer sequence for DSA keys. Other keys types will be exported in PKCS8 form.

If the structure is PEM encoded, it will have a header of "BEGIN RSA PRIVATE KEY".

It is recommended to use **gnutls_x509_privkey_export_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.

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/>