

NAME

gnutls_pkcs11_privkey_export_pubkey - API function

SYNOPSIS

```
#include <gnutls/pkcs11.h>
```

```
int gnutls_pkcs11_privkey_export_pubkey(gnutls_pkcs11_privkey_t pkey, gnutls_x509_cert_fmt_t fmt,  
gnutls_datum_t * data, unsigned int flags);
```

ARGUMENTS

gnutls_pkcs11_privkey_t *pkey*
The private key

gnutls_x509_cert_fmt_t *fmt*
the format of output params. PEM or DER.

gnutls_datum_t * *data*
will hold the public key

unsigned int *flags*
should be zero

DESCRIPTION

This function will extract the public key (modulus and public exponent) from the private key specified by the *url* private key. This public key will be stored in *pubkey* in the format specified by *fmt*. *pubkey* should be deinitialized using **gnutls_free()**.

RETURNS

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

SINCE

3.3.7

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/>