

gnutls\_pkcs11\_privkey\_export\_pubkey(3)      gnutls      gnutls\_pkcs11\_privkey\_export\_pubkey(3)

## 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>

## COPYRIGHT

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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/>