

NAME

gnutls_privkey_export_ecc_raw2 - API function

SYNOPSIS

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

```
int gnutls_privkey_export_ecc_raw2(gnutls_privkey_t key, gnutls_ecc_curve_t * curve,  
gnutls_datum_t * x, gnutls_datum_t * y, gnutls_datum_t * k, unsigned int flags);
```

ARGUMENTS

gnutls_privkey_t key

Holds the public key

gnutls_ecc_curve_t * curve

will hold the curve

gnutls_datum_t * x

will hold the x-coordinate

gnutls_datum_t * y

will hold the y-coordinate

gnutls_datum_t * k

will hold the private key

unsigned int flags

flags from **gnutls_abstract_export_flags_t**

DESCRIPTION

This function will export the ECC private key's parameters found in the given structure. The new parameters will be allocated using **gnutls_malloc()** and will be stored in the appropriate datum.

In EdDSA curves the *y* parameter will be **NULL** and the other parameters will be in the native format for the curve.

RETURNS

GNUTLS_E_SUCCESS on success, otherwise a negative error code.

SINCE

3.6.0

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/>