

NAME

gnutls_x509_privkey_export_ecc_raw - API function

SYNOPSIS

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

```
int gnutls_x509_privkey_export_ecc_raw(gnutls_x509_privkey_t key, gnutls_ecc_curve_t * curve,
gnutls_datum_t * x, gnutls_datum_t * y, gnutls_datum_t * k);
```

ARGUMENTS

gnutls_x509_privkey_t key
a 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

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

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

SINCE

3.0

REPORTING BUGS

Report bugs to <bugs@gnutls.org>.

Home page: <https://www.gnutls.org>

COPYRIGHT

Copyright (C) 2001- Free Software Foundation, Inc., and others.

Copying and distribution of this file, with or without modification, are permitted in any medium without royalty provided the copyright notice and this notice are preserved.

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/>