

**NAME**

gnutls\_privkey\_export\_ecc\_raw - API function

**SYNOPSIS**

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

```
int gnutls_privkey_export_ecc_raw(gnutls_privkey_t key, gnutls_ecc_curve_t * curve, gnutls_datum_t * x, gnutls_datum_t * y, gnutls_datum_t * k);
```

**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

**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**

3.3.0

**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/>