

NAME

gnutls_privkey_sign_data2 - API function

SYNOPSIS

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

```
int gnutls_privkey_sign_data2(gnutls_privkey_t signer, gnutls_sign_algorithm_t algo, unsigned int flags, const gnutls_datum_t * data, gnutls_datum_t * signature);
```

ARGUMENTS

gnutls_privkey_t *signer*

Holds the key

gnutls_sign_algorithm_t *algo*

The signature algorithm used

unsigned int *flags*

Zero or one of **gnutls_privkey_flags_t**

const gnutls_datum_t * *data*

holds the data to be signed

gnutls_datum_t * *signature*

will contain the signature allocated with **gnutls_malloc()**

DESCRIPTION

This function will sign the given data using the specified signature algorithm. This function is an enhancement of **gnutls_privkey_sign_data()**, as it allows utilizing a alternative signature algorithm where possible (e.g. use an RSA key with RSA-PSS).

RETURNS

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

SINCE

3.6.0

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/>