

**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>

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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/>