NAME
gnutls_privkey_sign_data - API function

SYNOPSIS
#include <gnutls/abstract.h>

int gnutls_privkey_sign_data(gnutls_privkey_t *signer***, gnutls_digest_algorithm_t** *hash***, unsigned int** *flags***, const gnutls_datum_t *** *data***, gnutls_datum_t *** *signature***);**

ARGUMENTS
gnutls_privkey_t signer
                Holds the key

gnutls_digest_algorithm_t hash
                should be a digest algorithm

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 a signature algorithm supported by the private key. Signature algorithms are always used together with a hash functions. Different hash functions may be used for the RSA algorithm, but only the SHA family for the DSA keys.

You may use **gnutls_pubkey_get_preferred_hash_algorithm**() to determine the hash algorithm.

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

SINCE
2.12.0

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/