

NAME

gnutls_privkey_import_ext3 - API function

SYNOPSIS

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

```
int gnutls_privkey_import_ext3(gnutls_privkey_t pkey, void * userdata, gnutls_privkey_sign_func  
sign_fn, gnutls_privkey_decrypt_func decrypt_fn, gnutls_privkey_deinit_func deinit_fn,  
gnutls_privkey_info_func info_fn, unsigned int flags);
```

ARGUMENTS

gnutls_privkey_t pkey

The private key

void * userdata

private data to be provided to the callbacks

gnutls_privkey_sign_func sign_fn

callback for signature operations

gnutls_privkey_decrypt_func decrypt_fn

callback for decryption operations

gnutls_privkey_deinit_func deinit_fn

a deinitialization function

gnutls_privkey_info_func info_fn

returns info about the public key algorithm (should not be **NULL**)

unsigned int flags

Flags for the import

DESCRIPTION

This function will associate the given callbacks with the **gnutls_privkey_t** type. At least one of the two callbacks must be non-null. If a deinitialization function is provided then flags is assumed to contain **GNUTLS_PRIVKEY_IMPORT_AUTO_RELEASE**.

Note that the signing function is supposed to "raw" sign data, i.e., without any hashing or preprocessing. In case of RSA the DigestInfo will be provided, and the signing function is expected to do the PKCS 1 1.5 padding and the exponentiation.

The *info_fn* must provide information on the algorithms supported by this private key, and should support the flags **GNUTLS_PRIVKEY_INFO_PK_ALGO** and **GNUTLS_PRIVKEY_INFO_SIGN_ALGO**. It must return -1 on unknown flags.

RETURNS

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

SINCE

3.4.0

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/>