

NAME

gnutls_srtp_get_keys - API function

SYNOPSIS

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

```
int gnutls_srtp_get_keys(gnutls_session_t session, void * key_material, unsigned int
key_material_size, gnutls_datum_t * client_key, gnutls_datum_t * client_salt, gnutls_datum_t *
server_key, gnutls_datum_t * server_salt);
```

ARGUMENTS

gnutls_session_t session

is a **gnutls_session_t** type.

void * key_material

Space to hold the generated key material

unsigned int key_material_size

The maximum size of the key material

gnutls_datum_t * client_key

The master client write key, pointing inside the key material

gnutls_datum_t * client_salt

The master client write salt, pointing inside the key material

gnutls_datum_t * server_key

The master server write key, pointing inside the key material

gnutls_datum_t * server_salt

The master server write salt, pointing inside the key material

DESCRIPTION

This is a helper function to generate the keying material for SRTP. It requires the space of the key material to be pre-allocated (should be at least 2x the maximum key size and salt size). The *client_key*, *client_salt*, *server_key* and *server_salt* are convenience datums that point inside the key material. They may be **NULL**.

RETURNS

On success the size of the key material is returned, otherwise,

GNUTLS_E_SHORT_MEMORY_BUFFER if the buffer given is not sufficient, or a negative error code.

Since 3.1.4

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/>