

gnutls_srp_set_server_credentials_function(3) gnutls gnutls_srp_set_server_credentials_function(3)

NAME

gnutls_srp_set_server_credentials_function - API function

SYNOPSIS

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

```
void gnutls_srp_set_server_credentials_function(gnutls_srp_server_credentials_t cred,  
gnutls_srp_server_credentials_function *func);
```

ARGUMENTS

gnutls_srp_server_credentials_t cred
is a **gnutls_srp_server_credentials_t** type.

gnutls_srp_server_credentials_function *func
is the callback function

DESCRIPTION

This function can be used to set a callback to retrieve the user's SRP credentials. The callback's function form is:

```
int (*callback)(gnutls_session_t, const char* username, gnutls_datum_t *salt, gnutls_datum_t *verifier,  
gnutls_datum_t *generator, gnutls_datum_t *prime);
```

username contains the actual username. The *salt*, *verifier*, *generator* and *prime* must be filled in using the **gnutls_malloc()**. For convenience *prime* and *generator* may also be one of the static parameters defined in `gnutls.h`.

Initially, the data field is NULL in every **gnutls_datum_t** structure that the callback has to fill in. When the callback is done GnuTLS deallocates all of those buffers which are non-NULL, regardless of the return value.

In order to prevent attackers from guessing valid usernames, if a user does not exist, *g* and *n* values should be filled in using a random user's parameters. In that case the callback must return the special value (1). See **gnutls_srp_set_server_fake_salt_seed** too. If this is not required for your application, return a negative number from the callback to abort the handshake.

The callback function will only be called once per handshake. The callback function should return 0 on success, while -1 indicates an error.

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/>