

**NAME**

gnutls\_global\_set\_mem\_functions - API function

**SYNOPSIS**

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

```
void gnutls_global_set_mem_functions(gnutls_alloc_function alloc_func, gnutls_alloc_function  
secure_alloc_func, gnutls_is_secure_function is_secure_func, gnutls_realloc_function realloc_func,  
gnutls_free_function free_func);
```

**ARGUMENTS**

gnutls\_alloc\_function alloc\_func

it's the default memory allocation function. Like **malloc()**.

gnutls\_alloc\_function secure\_alloc\_func

This is the memory allocation function that will be used for sensitive data.

gnutls\_is\_secure\_function is\_secure\_func

a function that returns 0 if the memory given is not secure. May be NULL.

gnutls\_realloc\_function realloc\_func

A realloc function

gnutls\_free\_function free\_func

The function that frees allocated data. Must accept a NULL pointer.

**DEPRECATED**

since 3.3.0 it is no longer possible to replace the internally used memory allocation functions

This is the function where you set the memory allocation functions gnutls is going to use. By default the libc's allocation functions (**malloc()**, **free()**), are used by gnutls, to allocate both sensitive and not sensitive data. This function is provided to set the memory allocation functions to something other than the defaults

This function must be called before **gnutls\_global\_init()** is called. This function is not thread safe.

**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/>