

**NAME**

curl\_global\_init\_mem - Global libcurl initialisation with memory callbacks

**SYNOPSIS**

```
#include <curl/curl.h>
CURLcode curl_global_init_mem(long flags,
curl_malloc_callback m,
curl_free_callback f,
curl_realloc_callback r,
curl_strdup_callback s,
curl_calloc_callback c);
```

**DESCRIPTION**

This function works exactly as *curl\_global\_init(3)* with one addition: it allows the application to set callbacks to replace the otherwise used internal memory functions.

This man page only adds documentation for the callbacks, see the *curl\_global\_init(3)* man page for all the rest. When you use this function, all callback arguments must be set to valid function pointers.

The prototypes for the given callbacks should match these:

```
void *malloc_callback(size_t size);
    To replace malloc()
```

```
void free_callback(void *ptr);
    To replace free()
```

```
void *realloc_callback(void *ptr, size_t size);
    To replace realloc()
```

```
char *strdup_callback(const char *str);
    To replace strdup()
```

```
void *calloc_callback(size_t nmemb, size_t size);
    To replace calloc()
```

**CAUTION**

Manipulating these gives considerable powers to the application to severely screw things up for libcurl. Take care!

**SEE ALSO**

**curl\_global\_init(3), curl\_global\_cleanup(3),**