NAME

curl_multi_get_handles - returns all added easy handles

SYNOPSIS

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

CURL **curl_multi_get_handles(CURLM *multi_handle);
```

DESCRIPTION

Returns an array with pointers to all added easy handles. The end of the list is marked with a NULL pointer.

Even if there is not a single easy handle added, this still returns an array but with only a single NULL pointer entry.

The returned array contains all the handles that are present at the time of the call. As soon as a handle has been removed from or a handle has been added to the multi handle after the handle array was returned, the two data points are out of sync.

The order of the easy handles within the array is not guaranteed.

The returned array must be freed with a call to *curl_free(3)* after use.

EXAMPLE

```
int main(void)
{
 /* init a multi stack */
 CURLM *multi = curl_multi_init();
 CURL *curl = curl_easy_init();

 if(curl) {
  /* add the transfer */
  curl_multi_add_handle(multi, curl);

  /* extract all added handles */
  CURL **list = curl_multi_get_handles(multi);

  if(list) {
   int i;
   /* remove all added handles */
```

```
      for(i = 0; list[i]; i++) {
        curl_multi_remove_handle(multi, list[i]);
      }
      curl_free(list);
    }
  }
}
```

AVAILABILITY

Added in 8.4.0

RETURN VALUE

Returns NULL on failure. Otherwise it returns a pointer to an allocated array.

SEE ALSO

curl_multi_add_handle(3), **curl_multi_cleanup**(3), **curl_multi_init**(3), **curl_multi_remove_handle**(3)