

NAME

curl_multi_cleanup - close down a multi session

SYNOPSIS

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

```
CURLMcode curl_multi_cleanup(CURLM *multi_handle);
```

DESCRIPTION

Cleans up and removes a whole multi stack. It does not free or touch any individual easy handles in any way - they still need to be closed individually, using the usual *curl_easy_cleanup(3)* way. The order of cleaning up should be:

1 - *curl_multi_remove_handle(3)* before any easy handles are cleaned up

2 - *curl_easy_cleanup(3)* can now be called independently since the easy handle is no longer connected to the multi handle

3 - *curl_multi_cleanup(3)* should be called when all easy handles are removed

Passing in a NULL pointer in *multi_handle* makes this function return `CURLM_BAD_HANDLE` immediately with no other action.

EXAMPLE

```
int main(void)
{
    CURLM *multi = curl_multi_init();

    /* when the multi transfer is done ... */

    /* remove all easy handles, then: */
    curl_multi_cleanup(multi);
}
```

AVAILABILITY

Added in 7.9.6

RETURN VALUE

`CURLMcode` type, general libcurl multi interface error code. On success, `CURLM_OK` is returned.

curl_multi_cleanup(3)

libcurl

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SEE ALSO

curl_easy_cleanup(3), curl_multi_get_handles(3), curl_easy_init(3), curl_multi_init(3)